

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>  
Subject: [3565] 10 meter xcvs  
Message-ID: <Pine.SUN.3.91.961104101729.27979A-100000@strong.Hydro.ON.CA>

OK OK

I have no pride.

Does anyone want to part with a Radio Shack /2510 10 meter SSB/CW Radio?

I'll buy

Thanks

Peter

VE3GYY

WHITBY

ON CA..

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Allen Jones <ajones@adsnet.com>  
Subject: [3598] 1996 CW SS  
Message-ID: <199611041902.NAA15053@alice.adsnet.com>

Licensed over 35 yrs and this was only my 2nd SS. Last year worked just enough to qualify for the participation pin from ARRL. I had planned to use my Icom 736 which I can crank down to 2.5W from the from panel. Unfortunately, it went permanently QRP about 3 weeks ago and I sent it off for service. It needs a pair of PA MOS-FETs I've been told. :-( I used my OHR Classic and the Index QRP++. The antenna is a trapped half-sloper off my aluminum tower at 50 ft. It is actually half of a W3DZZ dipole which some of the old timers may remember. I had 223 Q's in 65 sections in 16.5 hours for 28,990 points.

80M - 62  
40M - 99  
20M - 54  
15M - 8

Only worked 3 other QRP stations - K7MM, KI4UZ and W8DL. I used the N6TR program on my PC for logging, duping and keying. It is the free version 4.05 but I believe I will buy the updated version for next year. I like it because you can plug your paddle directly into the parallel port. I'm not a touch typist and several times I used the paddle to send fill info.

72/3 de Allen, K9DZE  
ajones@adsnet.com

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: [3572] 1996 CW SS at WA1GUV  
Message-ID: <199611041607.LAA19558@web.gmpvt.com>

Hi Gang!

Thanks to all of you who participated in the SS this year.

Conditions were different from any SS I can remember. 80 and 40 both went long early and were very noisy on Sat. night. Not good for QRP signal levels. 20 was great, though.

I ended up with 516 QSOs in 75 sections, in 24 hours. From the window in my shack I can see both VE2 and NNY on a clear day, but I missed both of them. The bands were just too long, I guess. I heard CI2AWR and he could hear me in there, but no copy. I also missed NWT. I heard KL7HF work it, and then I worked KL7HF, but no dice on NWT for me.

I didn't count them, but I worked 20 or so QRP stations, and heard some others that I couldn't work.

I must have worked 200 TX and CA stations. No wonder that's where the ham stores are!

72/73,

Tom WA1GUV

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [3553] 40-9er for Sale-Built  
Message-ID: <01IBFVR2KZCI8WWJ53@tntech.edu>

I have a built and tested 40-9er, and an Altoid box. The rig put out 250mw (although it really may only be 200.. been a while) I never got to mount it in the case. Will sell the built board and give case.. you supply connectors and such.

\$25+shipping.

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [3559] 40-9er sold  
Message-ID: <01IBFWMPB7488WWJ53@tntech.edu>

hit the send key and it is already sold.

thanks

72  
Jeff

PS.. looks like some of you took the SS pretty seriously. Only ran into a few Qrpers.. some in the 400s. Was first time I worked a contest in quite a while.. boy was my CW speed rusty... got my 130 QSOs in so I can send for my yearly pin :-)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Russ1031@aol.com  
Subject: [3592] ARS Survives, In Spite of AA7QU Playing Hookey  
Message-ID: <961104130746\_1416715749@emout06.mail.aol.com>

I've been in the Himalayan Kingdom of Bhutan for a month on a hiking trip. I'm back and trying to recapture a few of the basics of life, like my name, my address, and morse code.

Many thanks to Richard Fisher. KI6SN, who administered the October Spartan Sprint, handled the membership chores, and served as Chief Executive Mother Hen for the Trail Friendly Radio challenge.

Our web page is a little out of date because the web page flunky (me) failed to report for duty. It should be updated soon.

Don't forget the Spartan Sprint tonight! Should be a good one, especially since the fox hunters and sprinters will be entertaining each other.

Russ Carpenter, AA7QU  
ARS #1

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: David Adams <adamsclan@netgate.net>  
Subject: [3610] Cascade update  
Message-ID: <327E58BF.209E@netgate.net>

Well, Frank guilted me into pulling out the soldering iron and finishing off the cascade. It is now done EXCEPT for 2 caps on the 40m band module which are in the mail from Doug. MAN! What a blast this has been...I'm not sure modding it for 40/17 was the easist thing, but thanks to some help from Dave Fifield troubleshooting my old TS-520, my solid state trouble-shooting skills have really perked up and, after building the receiver sections, when I found my voltages were very wrong, I was able to trouble shoot and repair the thing!...so all I need to do now is alignment (my counter was not able to read any of the signals, but I have been given pointers on putting together a more appropriate probe for increased sensitivity). If all goes well and the US mail cooperates, look for me sunday on 40 and 17 sideband! (Not saturday, I'm helping assemble a greenhouse for some local schools...should prove interesting to say the least!)

73 de dave, n9uxu

Next is a tuner...I've gathered all parts except a case...then the SLV to go with the tuner...then everything goes in the trunk for a cross country trip to Indiana....two weeks...no california...YES! (midwesterner, you know...don't like crowds...)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Stew Whitehouse <76443.501@CompuServe.COM>  
Subject: [3567] Circuit Board Specialists ?  
Message-ID: <961104153106\_76443.501\_GHN33-1@CompuServe.COM>

Hi folks,  
Many QRP construction articles use ready made circuit boards from Circuit Board Specialists of Pueblo, Co.  
Is this Company still in business, perhaps under a different name?  
Thanks for the room.  
Stew ke4yh  
Dunedin, Florida  
Sister City to Stirling Scotland  
Spring training home of the Toronto Blue Jays

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)  
Subject: [3593] CMOSIII problem  
Message-ID: <199611041756.MAA13012@mime4.prodigy.com>

Help! My keyer quit the other day during qso but came back in time to finish qso. Then during SS it quit again and couldn't get it going again. All 6 buttons work singly or in pairs to give commands via paddles and seem to accept message info normally but doesn't return messages. Have checked all the obvious...voltage checks,solder joints, loose connections, etc.etc.....nada! The speaker is working and the paddle input is ok while inputting info but no message return from memory. Is it locked into some strange mode or is it busted? Any suggestions or info on service by Idiom would be appreciated.

Tnx, 73 Floyd NQ7X Phoenix ScQRPion

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [3627] Code speed in contests  
Message-ID: <Pine.3.89.9611041831.B19842-01000000@w3eax.umd.edu>

I don't call CQ very much during contests. I will reply at whatever speed I'm called. Sometimes I may leave the keyer at fast speed but throw in spaces.

Basically, if YOU can copy my 30 wpm CQ - or can at least send "?" SLOWLY, I will reply slowly.

Trust me, I'd rather work you than not.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [3581] CQ SS de W3EAX SS  
Message-ID: <Pine.3.89.9611041233.A18524-01000000@w3eax.umd.edu>

No, I wasn't QRP. I was fighting for a particularly good result for the

U of MD in the College Club championship. I think I set us up pretty well for phone...

Raw score: 515 QSOs 21 hours of operation 72 sections

Not even heard: SB, PQ (!), NWT, AK, HI.

Heard but HUGE pileup: WY

Station setup: Icom 736, TH6DXX @ 110', Maldol HS-VK5jr 10-80m  
trap vertical, homemade 40m dipole, one tired op.

Biggest thrill - working Nebraska at 0152z on 80m for my ONLY NE station and 1000+ extra points.

2nd biggest thrill - working W09S, U of Chicago, and finding out we were considerably ahead of them as we have NOT been in the past.

3rd biggest thrill - working DE and WV.

-----  
P.S. did anyone work W8EDU, Case Western, toward the end, and maybe had a QSO total for them? When we worked, we were at 320 and they at 400.  
-----

Thanks to the QRP contestants whom I worked:

W0CP K1TR K1CGJ WB8RUQ K9OM K0EJ K5FO KA1CZF WA8CDU K5ED KB2R  
WB9HRO K0FRP VE6BMX AE4HF WA1GUV K5SL WA0RJY K7HBN N6PDX AI7W  
W7YAQ VE3SMA N0ZA N0AX K7MM W6JTI W5HUQ WA8RJF N2SMH K8PFY  
KF4APW KF9PL KB4GID

I count 34 of the 515Q's. Not bad, and glad to be there with the big beam.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Bob White" <Bob\_White@CCMAIL.sms.lmco.com>  
Subject: [3579] CW SS  
Message-ID: <9610048471.AA847137058@CCMAIL.sms.lmco.com>

Well family obligations and the flu keep me from working the full 24 hours allotted, but it was a great contest. I have yet to count the



From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: TonyDrumm@ibm.net (Tony Drumm)  
Subject: [3643] CW SS Report  
Message-ID: <199611050315.DAA16074@smtp-gw01.ca.us.ibm.net>

I had only a few intermittent moments now and then to work the contest. Still, it was fun. Managed 25 Q's (all on 20m) which is actually not too bad for me in a "major" CW event since I have to work hard to keep up! And, it was the first time I attempted one of the CW majors running QRP. (My only RTTY contacts have been during contests and I was originally forced into QRP to avoid RFI into the computer.)

Interesting observation: I got on Saturday early evening for probably less than an hour. Was plodding along fairly well - lots of stations in CA - when the band suddenly folded up and went home. It was like someone pulled the plug. Amazing. I switched on my ICOM and tuned to 40m just to make sure the antenna was still working.

72.  
Tony Drumm  
ARS AA0SM

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Tim Pettibone <tpettibo@nmsu.edu>  
Subject: [3623] DX and SS  
Message-ID: <199611042229.PAA10909@NMSU.Edu>

Kevins comments about dx before the SS brought to mind my little episode DURING the SS. About 2245Z on Saturday I was working stuff on 15M (nice to hear the band active). I dropped down to a very quiet lower end and heard JA7KE calling CQ on 21.011. Gave him a quick shout and he came right back. He was 579 and he gave me a 559. Had a solid ragchew for 15-20 minutes all the time Chuck et. al. were building up the Qs and mults. Poor guy wasn't quite sure why he wasn't getting any calls!

Rig was TS140S at <5W and the GAP Titan Vertical up 17' at the base. Wanted to use the QRP+ but my noise level was really bad.

Ain't QRP fun?

Tim AB50U QRP-L # 73



From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: KFGlynn@aol.com  
Subject: [3614] DX on 15M past weekend  
Message-ID: <961104161623\_1080949021@emout06.mail.aol.com>

Hi gang,

Well I took Chuck's advice and scoped out the bands before the SS. I worked into Italy and Spain on 15M (Novice and Extra portion) about a half-hour before the SS began. Recd 529 QSB from Italian op and 559 from Spanish op. Was working 5 watts out into an R5 vertical. Both ops commented very positively on my sig. Spanish op almost couldn't believe was 5 watts.

Worked HC4/F9IE on 21025 on Sun at 2012z during SS. He called CQ and came right back to my call to him. He gave me solid 559. Agn good comments on QRP sig.

72 Kevin KB2TE0

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Brad Mugleston <bmug@gwl.com>  
Subject: [3584] FOX NOVICE Schedule  
Message-ID: <199611041707.AA13127@gp-ipc97.gwl.com>

Tuesday Night LOCAL I will be the NOVICE/TECH+ FOX, slow your keyers down and be ready for repeats. I have been asked to try the upper parts of the band:

LOCAL Tuesday Night November 5th look for the FOX between 7.130 & 7.150

EST - 9:00pm to 11:00pm  
CST - 8:00pm to 10:00pm  
MST - 7:00pm to 9:00pm  
PST - 6:00pm to 8:00pm

GMT/Z/UTC 0200 to 0400 Wednesday November 6th 1996

I am KB0ROL, Brad in Aurora Colorado and my QRP-L Number is.....

BTW if after one hour of trying in the upper parts of the band, and if I don't get a lot of takers I will drop down between 7.110 and 7.122.

Let me know if you would like to see some changes - I could start a few hours sooner if needed or maybe an hour or two later BUT I really need the EAST COAST and Central States.

Thanks

DE

KBØROL the FOX

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: James Bennett <james@research.nj.nec.com>  
Subject: [3599] Fox tonight- NJ  
Message-ID: <Pine.sol.3.91.961104134955.26458A-100000@shakti>

Antennas are tuned, rig is ready, batteries are charged, operator is standing by.

I am getting excited about my first chance as fox:

Tonight November 4; 9-11PM Eastern ( 0200-0400 Nov 5 UTC)

Location; Hightstown, NJ

This time frame coincides with the spartan sprint so there should be lost of QRP activity tonight.

Will try to stay around 7.034 or slightly below depending on QRM.

Hope to hear ya'll tonight.

James Bennett

KA5DVS

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Denton Bramwell" <denton@cyber-west.com>  
Subject: [3650] free varactors  
Message-ID: <01BBCA98.A06A9580@async1\_routera\_layton.cyber-west.com>

I have a pretty fair collection of MV1404 varactors. Anybody that needs a couple can have them for an SASE. Offer good while supplies last, or until this time next week, whichever comes first.

Denton Bramell  
2853 E. Country Oaks Dr.  
Layton, UT 84040

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>  
Subject: [3550] FT-243 crystals  
Message-ID: <Pine.SUN.3.91.961104074638.15627A-100000@ncrsun1>

QRP folks:

Did anyone catch the posted message a few months ago from the guy in Missouri who bought CM Crystals? I can't recall where I saw the post.

As many of you know, Bob of CM Crystals was gridding and selling FT-243 crystals for years at very reasonable prices. Recently he sold out (too old I assume?) to another guy. The gist I recall from this new person was that he was NOT selling FT-243 crystals any more, but pushing the "newer" HC-16 cases only. I think that is too bad, as there are several of us who collect and use "boatanchor" equipment. Two years ago I operated a HW-16 with four 40m crystals in the last Novice Roundup (when I was still a Novice-class licensee), and had a BLAST!!!

Anyone recall this "new guy's" post?

Thanks. Cheers/72 (73 when I was on the Heath), Kevin, KB9IUA

\*\*\*\*\*  
Kevin L. Anderson Ph.D., CENCR-PD-W, U.S. Army Corps of Engineers  
Rock Island District Office, Planning Division-Waterway Systems  
Rock Island, Illinois 61204-2004, USA phone: (309) 794-5586  
e-mail: anderson@ncrsun1.ncr.usace.army.mil

\*\*\*\*\*  
Opinions expressed here are my own and do not represent the  
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [3628] Full gallon definition  
Message-ID: <Pine.3.89.9611041854.B19883-0100000@w3eax.umd.edu>

A "full gallon" is a kilowatt. 1000 watts = 128 fluid ounces.

Don't get me started about Imperial gallons.

1 watt = 0.128 ounce.

5 watts = 0.64 ounces.

A cup is 62.5 watts.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Bob Edwards <rbe@atlanta.com>  
Subject: [3621] HB: Keyer paddles for portable operation.  
Message-ID: <327EA518.7713@atlanta.com>

Ronald H. Evans, K4KTB wrote:

>

> My old Brown Brothers paddle is too hefty to take to the field.

> What are others using?... Thanks, Ron K4KTB

I made my own, both dual and single paddles. A picture was sent in on the TFR challenge, maybe Russ or Richard could scan it & make it available. I would, but don't have a scanner.

The frame is 1 1/4 inch aluminum angle, about 4 1/2 inches long. The paddles are thick plastic (ABS) knives, heavily modified. At both ends of the paddle, a small section of another plastic knife is super-glued to build up the paddle thickness. Then brass screws are placed to 1) secure the paddles to the aluminum base then 2) form contacts that short onto the base. Holes are drilled and tapped in the double thick plastic for all of the 6-32 brass screws. They didn't take long to make. They were built with simple hand tools. KR4ZD, AA4RP, N4XY, W4QO have seen one of these and can vouch for its viability as a key.

I operated the fall ARCI QSO party (203 contacts) with one, the latest Spartan Sprint and use it both at home and trail. Best part, the single paddle version weighs in at under 2 oz. The contact gaps are adjustable and the deflection force is set by the geometry in the knife mods.

I'll use it tonight in the Spartan Sprint.

GL QRP, Bob

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|-----|
| Bob AE4CA WAS-5W nr Atlanta @EM73wt |...."QRP", more from less....
|-----|
ARCI, MIQRP, CQC, NorCAL, QRP-L, ARS, ARRL
:EMPS QSOs=31 STATES=19/3 DX=?
MO,MS,GA,AR,MI,IL,KY,DC,PA,LA,TX,NY,TN,KS,MN,OH,NC,FL,IA
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From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Scott Bauer <ke3nv@erols.com>  
Subject: [3613] help needed, CMOS 111  
Message-ID: <199611042116.QAA20725@smtp2.erols.com>

Is there anyone that can offer some help with my just finished Super Keyer 3 ? I finished the kit, it passed all of the test procedures. I plugged in U-1 and U-2 and fired it up. It sent me the " OK " message, then died on me. I pulled U-1 and U-2 back out and re-tested everything. The board still passes all of the tests. Everything seems fine. It seems totally dead. The re-set procedure also failed to help. Im totally lost.

Any help would be greatly appreciated.... Also, if anyone knows how to get in touch with Idiom Press via email or phone, That would also be appreciated. Many thanks, Scott

.....  
Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, CQC 352

Scott Bauer ke3nv@erols.com

.....

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: jdenison@aisp.net (JOEL DENISON)

Subject: [3549] Here is the Suggestion list

Message-ID: <19961104133302857.AAA114@slip7.ts-f-merrill.caps.maine.edu>

I received one e-mail request to post the rigs that were recommended for my friend with an \$800 price ceiling and multiband and ssb, qrp rig. Here is the list as I have been able to break it down as of 8:20 edt.

Kenwood - ts 520,530,830,50 (one each) and one "stay away from kenwood"

Ten Tec - 2 general references  
1 argonaut 509  
3 scout  
1 delta 580  
2 argosy

Yaesu \_ Ft 840, ft 890 (one each)

Alinco - 2 dx70t  
1 dx70th

Icom - 1 general reference  
3 735  
1 740  
1 735  
1 706

Index Lab

1 - qrp+ (this rig has been eliminated as a potential buy)

That's the total as of now. I want to thank everyone who wrote back. I enjoyed reading your thoughts and have passed them on to my friend for his deliberation.

Bye now

God Bless

Joel

WA5CVM

Joel Denison

81 High street

Farmington, Maine 04938

jdenison@aisp.net

Qrp ARCI #4066 NE-QRP #476 QRP-L #765

33ft Vertical & Inverted Vee both up 40ft.

QRP PLUS 5w SSB & CW

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: rhight@primenet.com (Roger Hightower)  
Subject: [3562] I'm impressed!  
Message-ID: <199611041507.IAA18017@primenet.com>

It's a real pleasure to read the SS postings....I'm impressed at the scores obtained while running QRP during this "bottom of the cycle". Everyday stations, less than contest-caliber antenna setups, but respectable scores for the hours worked. That means you (we) all must be doing something right.

I'll echo Chuck and others: Please send your log and summary sheet in for inclusion in the results. Check out the ARRL web page (<http://www.arrl.org>) for the summary sheet, if you need it.

Let's let them know how many of us are out here.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Stew Whitehouse <76443.501@CompuServe.COM>  
Subject: [3568] Inefficient but effective antennas  
Message-ID: <961104153111\_76443.501\_GHN33-2@CompuServe.COM>

Hi folks,

All this talk about effective antennas brings to mind an antenna that I used when I was stationed in Scotland and lived in US Government housing where I had little room for an antenna. At that time, 30 years ago, there was a little antenna on the British market called a "Joy Stick". The Joy Stick appeared to be nothing more than about five feet of aluminum tubing with a coil of 14 gauge solid wire in the center. The coil was potted but had taps polking out of the potting material for each HF band (and maybe six meters). This was fed with a single wire clipped to one of the taps. I used a Johnson Matchbox to load one of these Joy Sticks mounted on a vent pipe on the roof. My shack was located in a large walk in closet on the second floor so I didn't have a very good ground. The bath room was next to the closet and I was able to clamp onto a copper pipe but you could feel the heat when you put your mouth too near the metal mic.

Anyway, to get to the point, that little antenna allowed me to, without fail, meet a weekly sked with my father-in-law (W1ETG) for a family chit chat. Rig was a TR3 bearfoot.

Maybe one of the G readers of this list remembers the  
Joy Stick and can comment. Wonder if is still available?  
Thanks for the room.  
Stew ke4yh ex gm5ace  
Dunedin, Florida

Hind-Sight may be 20-20 but recall is something else!

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: QLF@mimi@magic.itg.ti.com  
Subject: [3555] INFO PLEASE - - - - -  
Message-ID: <9611041411.AA25515@itg.ti.com>

From: Brad Bradfield QLF

Subj: INFO PLEASE - - - - -

Good morning QRP dudes and dudettes (Hey, I'm glad the ladies are here!) - - -

Ain't it amazing how we delete an e-mail message from the QRP-L and then  
immediately need the information therein? Oh, well. Could the individual that  
posted the info on the supplier of the 700 mA solar panels in the last  
week or so (\$36, or so, plus \$15 shipping as I recall) please reply to me  
directly.

Sorry for the bandwidth y'all.

72's es 73's,

Brad, WB0CGH

\*\*\*\*\*  
Brad Bradfield, PE Electrical Design Engineer  
(H) 817-321-2960 Texas Instruments, Inc.  
(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

\*\*\*\*\*



From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Doug Hendricks <ki6ds@dpo1.k12.ca.us>  
Subject: [3602] John Spoonhower Where are You?  
Message-ID: <1.5.4.16.19961104124445.0dcf3ff2@telis.org>

John, I need to get your email address. Please email me about your article.  
72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Ronald H. Evans" <ronald\_evans@pipeline.com>  
Subject: [3564] Keyer paddles for portable operation.  
Message-ID: <2.2.32.19961104151919.0075f790@pop.pipeline.com>

My old Brown Brothers paddle is too hefty to take to the field. What are others using? Anyone using a Kent paddle? Thanks, Ron K4KTB

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Lau, Zack, KH6CP" <zlau@arrl.org>  
Subject: [3575] KH6CP/1 QRP SS CW  
Message-ID: <m0vKRtv-000fDoC@mgate.arrl.org>

410 QS0s x 73 x 2=60 k pts CT section  
Worked 16 QRP stations--at my halfway  
point K1TR had over 350 Qs!

WA1GUV, K1CGJ, and N1JAC were also doing  
a great job --Zack KH6CP/1 zlau@arrl.org

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: ji3m@scubed.com (James R. Duffey)  
Subject: [3570] KK6MC/5 Prelim SS Score; 215 Qs, 63 sections, 27,090  
Message-ID: <v02130501aea3b325b43d@[192.31.66.229]>

I worked CW SS in the QRP division over the weekend, although not at the level I had planned. In 18 hours I worked 215 QS0s in 63 sections for a total score of 27,090. This is a preliminary score, I need to go back and double check the logs. I run an all paper effort.

Q multipliers worked here included WA3YON (My first SS QSO this year. A great omen.), KB9IUA, N5JKY, WB9HRO (he had a nice signal here on several bands and I heard him often during the contest), K3DI, K7MM (I was his Nr 565 on Sunday Afternoon for a new EWA multiplier. He had the highest QRP score I worked), WE9V, K0EJ, K1CQJ, and N9DD. I didn't work many of the usual bunch. Chuck, Stan where were you? I heard W5KFT (he is on the list isn't he?) 559 on 15 back scatter, but couldn't raise him. There were other Texas, NM and CA stations on backscatter on both 20 and 15, but that is tough going with QRP.

My plans for this year went all awry. My super antenna work planned for last weekend fell through due to a foot of snow and cold. The CMOS Superkeyer never got ordered. My operating time was shortened due to the New Mexico Women's Junior Varsity Soccer Championships (one hour planned), a Horse Jumping show (unplanned - put off from the previous weekend - 5 hours), my wife's birthday dinner (This was supposed to be Friday night but was postponed - 2 hours) and a brief spell of lightning (I had the dinner coincide with this).

None the less, I met my goal of exceeding last years NM section QRP QSO total. Tim. AB50U had 150 Qs last year. I just missed my hourly QSO rate goal of 15. I am sure that Tim bettered his record this year.

I ran the 1994 SS in the A division with the same setup; a TS850S cranked down to 5 watts and a 30 M delta loop fed with ladder line. I had 429 QSOs then, so I guess my QSOs are down by 3 dB, with a power reduction of 13 dB.

I was pleased with my section total of 63, but I missed some ones that I should have worked. West Texas (!) was among the missing as were all the Canadian Provinces but Maritime, Alberta and British Columbia. I got up early on Sunday and bagged Puerto Rico when the band was barely open, then did the same thing on 15M with the Virgin Island. Staying late on 15 and 20 to snag a Hawaii station did not work out. Is South Carolina rare? I didn't get one and only heard one on the whole contest.

QRP necessitated using "search and pounce" technique. I have rarely done this in the past, but found it to be productive when I got into it. I tried to call CQ and establish a run, but this only worked once on Saturday evening for 20 minutes. 20 M was the most productive band, much to my surprise. I don't particularly like the cacophony and frenetic pace, but I made out Ok.

Let us know how you did. - Duffey KK6MC/5

James R. Duffey  
Principal Scientist  
Maxwell Technologies Incorporated/Albuquerque Division  
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Albuquerque, NM 87106

(505) 764-3143  
(505) 843-7995 (FAX)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Warren E. Lewis" <saswel@unx.sas.com>  
Subject: [3597] NC and AD4ZE SS Challenge Report  
Message-ID: <199611041851.AA24704@cardamom.unx.sas.com>

Well Gang!!

I think the dust has settled enough now so I can see the computer screen well enough to tell you about what FUN we had in the Sweepstakes this weekend.

\*\* November Sweepstakes results for Team North Carolina!! \*\*

I hope we did as well as Chuck and Jack did. Bob and I ended up with 750 QSOs and 803 QSOs respectively!

Now that I scared Chuck a bit I can report our real results!! :-)

AE4IC (Bob, Greensboro, NC)

24 Hours - 213 QSOs, 57 Sections for 24,282 Points

AD4ZE ( Warren, Cary, NC)

20 Hours - 295 QSOs, 65 Sections for 38,350 Points

Total for Team NC: 62,632 Points

Not too bad for some guys with some low dipoles and only 5 years of ham radio experience between us. The most important thing was that we had fun and we made Chuck and Jack squirm a little bit with the challenge!! :-)

-----  
Now for my part of the story (I believe Bob will post a note about his first time experiences with SS later):

This was my third sweepstakes from my code and antenna challenged station

in Cary, NC. Each year I have set some goals to shoot for during the contest to help keep focused.

This year I set the following goals:

- Have fun!!
- Beat last years score
- Make at least 350 contacts
- Work at least 22 hours (go for 24!)
- Have fun!!
- Try for an hour with 20+ contacts
- use 2nd radio for looking for mults and openings on other bands
- Have fun!!

I didn't make the 350 Contacts or the 22 hours, but, I did have three 20+ QSO hours and beat my previous years score, and most importantly I had FUN FUN FUN.

I also tried the two radio thing at the beginning of the contests, but, I had enough trouble just trying to keep things straight with one.

I did leave it turned on to 15M so I knew when it opened on Sunday afternoon.

Here is the summary by band as given by CT:

BAND	QSO	QSO PTS	SECTIONS
160	0	0	-
80	92	184	-
40	112	224	-
20	70	140	-
15	21	42	-
10	0	0	-
-----			
Totals	295	590	65

Score: 38,350

Did anybody make any contacts on 10M? And if you have 160 capabilities was there much activity down there?

I worked 11 QRP stations, all of which were able to sit on a frequency and work stations, some were pretty weak and the only reason I found them was the monster station that just finished working them. I tried that a few times but, I didn't have the patience to sit a call CQ 5-7 times with no answer. You guys with the larger scores, what percentage of your time is spent CQing versus "Search and Pouncing"? and of the ones that CQ what kind of antennas are you working with?

Here is my station description so everybody can see how impressive my setup really is :-):

Kenwood TS450SAT @ 5 Watts.

Antennas:

North-South 80 Meter Sloper (coax fed) at average height of 25 feet.  
East-West 80 foot off center fed sloper (twin led fed) at average  
of 25 feet. (Just put this one up on Friday before contests and it  
outperformed my permanent dipole in most cases)

So you see you don't have to have towers and beams to have fun in the  
Sweeps. I urge each of you to participate next year. There are many sections  
that do not have any QRP entries in the listed results, it is a shame cause the  
certificate for winning your section with QRP is really nice. I know cause  
I won one with only 26K points last year. I was first out of two entries!! :-)

cheers - Warren

--

Warren E. Lewis  
Technical Support Division  
SAS Institute Inc.  
Cary, NC

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PP-ASEL  
AD4ZE QRP-L#78 DOD#0021

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: James Parsons <k5rov1@worldnet.att.net>  
Subject: [3560] Need info...  
Message-ID: <19961104150433.AAA832@LOCALNAME>

Can somebody tell me how to get on the "REC.RADIO.SWAP" REFLECTOR?

Thanks...

Jim, K5ROV

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Bob Tellefsen-CNSE97" <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [3600] Need manual  
Message-ID: <M1130746.020.d28ow.1.961104193148Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I've just acquired a used EICO model 368 TV-FM Sweep Generator and Marker. Now  
I can finally do some sweep alignment on the filters I like to tinker with.

Only problem is, it came with no manual.

Can anyone point me to some of the places that deal in used manuals?

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [3583] November NorCal Meeting (Long)  
Message-ID: <1.5.4.16.19961104100022.0cafb79a@telis.org>

Wow! That is the only word that I can think of to describe the November meeting of the NorCal QRP Club. We had the largest crowd ever, as we literally took over the entire restaurant with QRPers. Lots of exciting things to see too!

Vern Wright, W6MMA, brought his highly modified St. Louis Vertical, and when I say highly modified, I mean just that. Vern went to a machinist who builds the popular screw driver mobile antennas, and had him turn a coil form for the SLV out of PVC pipe. He then had the coil wound with #16 tinned bus wire, and he added a sliding shorting bar. Using an MFJ259 antenna analyser, he then resonates the antenna by moving the shorting bar up and down the coil. He has also added a different mount to get the antenna off the ground, and it works like gang busters. Vern worked into San Diego Saturday morning from east of Sacramento using an Epiphyte. He got a 10 over 9 report. Another guy from Salt Lake City broke in and said "5 by 7 in Salt Lake". Excellent job by Vern, and boy did he draw a crowd for his demo.

Wayne Burdick, N6KR, brought the first ever SST to the meeting. Wayne built the prototype in the case Sunday morning, made a contact, and then brought it to the meeting to show us. He decided use a little flair with the unveiling and brought it inside his Sierra! Yes, the SST fits inside the Sierra Case. It has a clamshell type case that is say 1.25 x 3.5 x 3, just guessing on the dimensions here. Wayne borrowed from the case design of the St. Louis tuner and uses panels with bent over tabs and pem nuts. Very clever design. The SST will be kitted by NorCal and will be available in February. (We do have to get the boards made and parts ordered). There will be two versions of the kit, one with a case, controls and connectors, and a plain board and board mounted parts kit. No information on pricing, information will follow. The SST is designed to be between the 49er and the NorCal 40, with a SuperHet Receiver, about 2 watts out, AGC, AF Gain, RF Gain, VFO that tunes about 20 KHz., offset, and a sidetone. There will be a keyer designed to go with the SST, but it will be an add-on and not part of the package.

Bill Jones, KD7S, did a special favor for me. He came by the house and picked me up at 5:30 Sunday morning, so I did not have to drive! Thanks for the lift Bill. Plus, he brought along his latest creation, his entry in

the Adventure Radio Society Trail Friendly Radio design contest. This was a packaging contest to design a radio with an user interface that was conducive to operation in the field. Jerry Parker has pictures, and you have to visit the NorCal Web site to see them. One of the most unique features of Bill's Trail Friendly Radio design is his dial. He used a special fluorescent paint for the background which will glow in the dark for about 20 minutes after being hit by a flashlight for about 3 seconds. The way that we saw the demo was to go in the bathroom with Bill, and turn out the lights. Wonder what all the regular customers thought about all of these guys going in and out of the Men's room and turning off the lights? Bill, you might remember, is famous for his version of the 49er, called the "Collins 49er", which won the Dayton 49er Building Contest last May. Speaking of the Dayton Building Contest, that leads me into the next piece of gear.

Ori Mizrahi-Shalom, AC6AN brought the prototype for one of the co-winners in the contest, a "38 Special". The "38 Special" is a superhet transceiver with offset, sidetone, 25 kHz of tuning range (uses a 22.1184 MHz crystal mixed with a 12.000 MHz to give the 10.1 MHz ham band), and there are no transistors in the kit!! He uses 2 NE602's, 1 NE5532, 1 CD4066, and 1 74HC240 IC and runs them off an 7808CT 8V regulator, hence the name "38 Special", 30 meters, 8 Volts, Special circuit! Dave Fifield has built one of the rigs on perfboard and has made several qso's with it. Ori has designed this to be a "hacker's rig", yet usable for serious qsos. This is "not a 49er", as it solves several of the shortcomings of that rig, i.e. lack of tuning range, sidetone, and offset. It has a 5 pole output filter to keep the output clean, and will have several mods easily done, including adding an IRF510 to boost the power out to 3 Watts (not in the kit, but pads are provided on the board), plus several others. The "38 Special" will be kitted by NorCal for the Dayton Building Contest. The cost of the kit will be \$25, with a \$3 shipping and handling fee for US orders, \$5 shipping and handling for DX orders. The full article will appear in the December edition of QRPp and the January issue of QRP ARCI QRP Quarterly which will both hit the streets the first week of January.

I did not have a prototype of the other winner of the design contest, the Rainbow Tuner by Joe Everhart, N2CX, but I did have a copy of his article. Basically the Rainbow Tuner uses a set of different colored LED's as an indicator to give you an SWR reading from an absorptive type SWR bridge built into an Altoids tin and using an LC circuit to tune a half wave length wire. This will be kitted by the New Jersey QRP Club, and details will be announced later by that group. I really appreciate their coming forward to help with the kitting process, as it would just not be possible for NorCal to kit both projects. Again, the price will be the same, and ordering details will be posted when they are ready. The article will appear with the "38 Special" article in QRPp and QQ.

We also had some special guests at the meeting. Greg Estep, from Pacificon, came over to the meeting to see what all of the excitement generated at Pacificon by the QRPers was about. He was amazed to see the same enthusiasm and fun happening at the meeting. Myron China was in town

from Denver, and he brought along a couple of albums to show how the Colorado QRP Club does field day. If you ever get the chance to visit that operation, do so. They put up an 80 foot portable tower!!! Plus, Myron had a copy of the "FD Book" that contains all of the planning and organization for the event. Most impressive. Randall Smith, N2JOC, flew in Saturday from New Jersey. He said that he did it to save the company money, (yeah right Randall, the swap and meeting just happened to be on the same weekend, but we won't tell).

There was a huge crowd, lots of fun, and great show and tell activity. Please join us if you are ever in the area on the first Sunday of the month. 72, Doug, KI6DS

Note: Pictures from the meeting will be on the NorCal Web page soon. Jerry Parker will announce to the net when they are available.

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: nskousen@scientechn.com (Niel Skousen)  
Subject: [3582] Novice Fox - Thur.pm  
Message-ID: <v02140b09aea3d0fbfb8b@[198.60.91.132]>

My next turn (#3) in the frying pan.....

==== Novice/Tech+ Fox =====

WA7SSA Niel Skousen  
Thur. 11.07.96 7:00-9:00pm MST (UTC-7)  
Fri. 11.08.96 0200-0400 UTC  
FREQ 7.112 +/- (alt: 7121 +/-)  
RIG FT-757 @ 3.5w (may try NorCal 40 2nd hr... :-)  
ANT Inv.V @ 28 ft, legs E-W  
QTH Idaho Falls, ID  
QRP-L #119

\* Standard N/T code speed warning ...  
\* Patience is a virtue (especially for you 40wpm+ CW ops on N/T Fox nite..)

TNX es GL  
73  
Niel

-----  
Niel Skousen; S.Eng, SCIENTECH.SPG nskousen@scientechn.com  
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119  
-----DN33wm-----



From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [3576] Novice Fox Wednesday Night  
Message-ID: <v03007800aea3c5458d2b@[129.74.87.62]>

\*\* Novice Fox \*\*            \*\* Novice Fox \*\*            \*\* Novice  
Fox \*\*

I know you're tired from the SS marathon, but ...

I will be on the air for the third time this Wednesday  
evening (the local date will be Wednesday, November 6).

WD4MSM -- Novice Fox  
Wednesday, November 6th (local date)  
8:00 - 10:00 pm local (New York) time  
7:00 - 9:00 pm local (Chicago) time  
0100 - 0300 UTC  
frequency: 7.112 +/- MHz (alternate: 7.121 +/- MHz )

QTH is South Bend, Indiana (90 miles east of Chicago)  
QRP-L# 642

Come SLOWLY!! Bag an N/T Fox :-)

Barry Keating  
WD4MSM

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: JessQRP@aol.com  
Subject: [3645] On the air in Oregon.  
Message-ID: <961104223034\_135840940@emout08.mail.aol.com>

Hi all,

I have made it to Oregon and am set up here. I got a room on the bottom floor  
of the hotel in Eugene and have room to set up the SLV. I jammed a screw  
drive in the bottom rail of the wooden fence around the patio and spread out  
the radials. I put down 4 of them. I have not used this antenna much on 40

meters but the band sounds kind of dead to me. I have worked only on station and that was wb5qmy in In for SP on 40 meters so I guess that is not too bad. I will be on the air tonite from about 7:30-9:00 PST so give a listen and I will try to work you if I hear you. I a not CQing a lot as I don't want to poop the battery out the first night...

Let me know if you hear me!

Jess

N0TFI/7

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: torell@sicom.com (Kent Torell)

Subject: [3607] Propagation during SS

Message-ID: <v02130502aea3ff897a03@[192.91.202.41]>

Just looked at the measured data pertaining to the SS contest. The ionosphere was \*very\* quiet and stable, with the Boulder K index at 0 most of the time! The ionosound measurements showed better than normal muf activity (for this time of year/solar cycle) as evidenced by the 15 meter activity. It can't get much better than that (except for sporadic E!).

As far as SS activity goes, I'm competing for the lowest q's per hour...worked 10 hours for 20 contacts...didn't triple my lifetime contacts, but I did triple last years contacts :-)

72, ab7oa

Kent Torell      torell@sicom.com      602-483-2867 x230

SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>

Subject: [3585] QRP Stations worked...SS

Message-ID: <v03007800aea3c6fddc33@[132.235.72.11]>

Gang,

Glad to see the number of qrp stations in the contest! (I ran "A" @ 90 watts, 181 Q's, 63 sections @ 22,806 pts.)

Here are the qrp'ers I worked:

WA8RJF    177 Q    OH

AE4IC 113 Q NC  
 K0RI 449 Q CO  
 N6RZ 153 Q SCV  
 W7YAQ 400 Q OR  
 K0FRP 490 Q CO  
 K7MM 540 Q EWA  
 K1TR 678 Q NH  
 W0CP 418 Q CO

Check out the #'s! K1TR was crankin' out the Q's at 678. Great job by all you guys/gals.

73/72 de

```
*****
*                                     Greg Weinfurtner AEE BSS *
* NN      N  SSSSSSS 8888888 0000000 Electronic Design Splst *
* N N     N  S      8      8 0      0 Ohio University Athens *
* N N     N  SSSSSSS 8888888 0      0 GO BOBCATS!             *
* N      N N      S  8      8 0      0                       *
* N      NN  SSSSSSS 8888888 0000000                          *
*                                                                 *
*                                     Can thou send forth lightnings *
* Amateur Radio                  that they may go and say unto *
* DXCC WAS EM89 QRP-L #297      thee, 'Here we are'? Job 38:35 *
* weinfurtner@ouvaxa.cats.ohiou.edu                                *
* http://ouvaxa.cats.ohiou.edu/~weinfurtner                      *
*****
```

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
 From: David Adams <adamsclan@netgate.net>  
 Subject: [3611] RF probe  
 Message-ID: <327E592E.72DF@netgate.net>

Greetings! I need an rf probe to align my hw8. Anyone have a good

design? The one in the 8 manual did NOT work.

73 de dave, n9uxu

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Ahrens Tim" <tahrens@devmail.sps.mot.com>  
Subject: [3580] RShack DSP40 Problem?  
Message-ID: <9610048471.AA847133587@devmail.sps.mot.com>

Hi All - hope everyone is regaining their sanity  
from the past weekend's festivities!! Wow,  
lotsa DX after the contest quit... the band was  
very very quiet too.

Pardon a possible question from the past..

I have one of the RS DSP-40s, and it appears to  
work pretty well, with one possible problem.

In the CW mode, when a signal comes through,  
superimposed on the actual tone is quite a loud  
hiss. It is not there in the SSB mode, or there  
when there is no CW signal coming through. It is  
not related to audio levels, or any type of noise  
that is on the input.

I left the guys at the Rshack tech support  
line a Fax about it, and they basically said...  
that's just the way it is.

If you have one of the DSP-40s, does yours do that?

Please drop me a line personally, so as not to tie  
up the net (any more).

Thanks,

Tim WA5VQK

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: vodall@juno.com  
Subject: [3609] Special antenna for special rigs  
Message-ID: <19961104.130027.8527.3.vodall@juno.com>

In many QRP situations, weight and space is at a premium. Specially while bicycling or backpacking. Several years ago, on a bicycle trip through the Canadian Rockies I carried a 40 meter simple Rx/Tx unit by MXM of Texas.

My idea then was to save weight by eliminating the coax from the antenna. I built a 40 meter dipole with the two 32' sections going directly to the connector. It worked great for receiving. I'll never forget the signals that one night a couple miles north of Eureka Montana, just across the Canadian border. Wow. Loud and strong across the whole band. And no static...

But, transmitting was less successful. No luck that night or on any that followed. I eventually gave in and picked up a chunk of RG174.

I still feel the "no feedline" antenna has merit. The trick is going to be to get the high current portion of the antenna up in the air away from the rig. So, what if the radio itself was designed a bit different? There's nothing special about the current 50 ohm standard. Maybe a final could be designed with a parallel tank circuit and the antenna tapped on the very end for a hi-Z match that would work with an end-fed 1/2 wave. Or maybe a output Z of 300 ohms could be used to match an off-center fed Windom.

Thoughts? Is this a reasonable approach? Sure would be nice to leave the coax at home...

73,  
Bill - WA7NWP

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [3589] SS - Lessons learned (long)  
Message-ID: <199611041739.MAA18616@mh004.infi.net>

Well gang, - I don't know.

I feel like some one who's just completed a marathon run. And you ask, "Was it fun?"

Here are some observations.

In spite of the Contest atmosphere, the participants, for the most part, were helpful and courteous.

1. QRP - It certainly is possible to operate QRP in a contest like this. I was surprised at how many guys commented about what a good signal I had.

2. SPEED - Amazing. I don't know what speed I can copy, but I set my keyer at about 20WPM. I was probably the slowest guy in the contest. I figured with my weak signal, the slower speed would help copy. Not so. The Big Dogs would probably not answer a signal that they didn't think they could copy easily. I was afraid that if I speeded up my keyer, they would return at such a high speed I couldn't copy. Not so. They are coming back at their speed anyway, whatever it is. So, I might as well have set the keyer at 35WPM.

3. OPERATING TECHNIQUES - In spite of a good amount of preparation, I was not ready for the cacophony of sounds that greeted me at 0400. I was overwhelmed and didn't make a single contact until 0443. At QRP levels, and with an ordinary antenna, it's difficult to hold a frequency in this contest. I tried a few times with some success, but not much. When I called CQ at my slow speed, I would get replies from some grateful hams with straight keys. (I knew they were looking for someone slow, because I'd be their No. 001 contact) So if I learned one thing, it was how to "hunt and pounce". Also, in this contest, I looked for multipliers, spending only a little time with pileups in sections I already had. Finished with 57 of the possible 78 - So, I completed WAS except Alaska and Hawaii.

4. EQUIPMENT - I thought I'd checked my equipment. One sneaky thing discovered (too late) was that the filter and BFO pitch in my 40M rig was set way too low. The NW40 has no AGC, and this is good when trying to separate a weak signal from strong one. (\*very\* important in this contest) But I'd set the BFO low, maybe 650Hz, and discovered that loud adjacent signals were a high pitched scream in my ear while I was trying to hear a weak low growl. Higher pitch on the BFO would separate them much better, I think. (Comments, anyone?)

5. EXPERIENCE - It's certainly easy to be intimidated. I was, and I never

got over it. Because of my weak signal, the keyer was set up to repeat the exchange, except for the call. I'm sure there are a couple of hundred hams out there today who are talking about the "Lid" who insisted on sending everything twice at a disgustingly slow 20WPM. It probably sounded like 5WPM to them. I'll not do that again. On the other hand, I was asked to repeat a few times, mostly my power and my Check (Year licensed). Did my code speed improve? I don't know, maybe. The highest speeds were just a blur to me. they had a nice rhythm, and I could see how it could be learned as a language, but I couldn't copy.

Only one sour note. I would listen to the exchanges several times, writing down most of the info before returning the call myself. In spite of this, I'd sometimes have to ask the really fast guys to send something slow. They all obliged, except one, near the end of the contest. He must have been running 40WPM, and when I asked him to send the exchange slow, he sent again about 50WPM and resumed calling CQ. He was tired, I'm sure, and didn't feel like fooling with me, but I was tired, too, and must admit to some anger about that. Mercifully, I erased his call, and have forgotten what it was. (I felt like tuning on top of him)

Wait 'til next year, Chuck and Jack!!

CUL,  
Bob Kellogg, AE4IC  
Prolably, but not nececelery. - Benny Hill

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [3605] SS 96  
Message-ID: <Pine.SUN.3.90.961104115950.29934E-100000@vortex.sage.dri.edu>

OK, here is some more info from my fun weekend....

#### SWEEPSTAKES SUMMARY SHEET

BAND	Raw QSOs	Valid QSOs	Points	Mults
80CW	35	35	70	10

40CW	187	187	374	26
20CW	112	112	224	34
15CW	8	8	16	2

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Totals	342	342	684	72
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Final Score = 49248 points.

I knew there was that 72nd multi in there somewhere.... :-)

Here are the other QRPers I worked. The other information is just FYI.

GMT Band Time Call	Their Number	Pwr	Sec	
40CW 4:11 K0FRP	198	Q	Co	
40CW 14:54 K0RI	392	Q	Co	
40CW 15:36 N0AX	383	Q	WWa	
40CW 15:39 KI6SN	104	Q	Org	
40CW 15:42 K5FO	290	Q	NTx	
40CW 16:18 K06KA	167	Q	Sb	
20CW 17:51 K5ED	281	Q	WTx	
20CW 18:00 WB9HRO	350	Q	Wi	
20CW 22:31 KC1F	315	Q	Nh	
40CW 0:40 K7MM	304	Q	Ew	
40CW 0:58 W0CP	426	Q	Co	

Keep in mind that some of these stations were worked very early in the contest and already had big numbers!

For example: K5FO had 290 Qs and I had 196.  
K0RI had 392 Qs and I had 181.

Also of interest is the number of contacts on 20m vs 40m. I think the vertical with a good ground system is a fair antenna on 40m. But no so with 20m. You need a good system like a yagi or etc there.

(Don't take the above as anything other than my observation!)

Computers.....



In the past, the contest was the easy part. Then came the chore of trying to figure out what I had written on the log and dupe sheeps!

This was a process of copying all the info onto other sheets so they could be understood by others! It would be days of work.....and I hated it!

Now, in just a few minutes of key pressing, out comes a full log, scored, duped, rate sheets and about anything else you want.

I also put the log into Excel to play with it to do things like the above.

I have a list of stations worked, in order, so that I can find anything I want!

Downside.....

My ears are sore.....there phones' are too tight!  
My bottom is sore.....the chair needs more padding!  
The rig was too far away from the keyboard.  
I need a rig with computer interface.....hmmmmm, gotta talk to the xyl about that.... :-)

Our mail server has been having some troubles. Might be some delays in getting things out. Think the "in" side is still OK.

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: AlK0FRP@aol.com  
Subject: [3639] SS 96 CW K0FRP  
Message-ID: <961104210436\_1981522873@emout04.mail.aol.com>

Gang

Report 96 SS CW

626 Q's 72 sections 22 hours 90,144 pts  
Had to catch a plane to Los Angeles to go to work at 11 pm PST till 6am PST.  
Fell asleep at a stop light going to the hotel at 6AM 0000FFF tired

90,144 points about 10,000 less than last year.  
very good runs on 40m and 20 m sunday about 100 q's on 15m good nite on 80m  
with about 75 Q's

Did not meet my goal of 100,000 pts

Well chuck K5FO how did I do , I had no takers for a partner so I'll take you  
too all by myself.?????

Good Job by all great QRP showing. Good high speed practice for all my CT-9  
logging program was at 30-32 wpm 36-38 for the fast guys.

Almost all contacts were CQ SS runs very little hunt and pounce Guess thats  
why my multiplier totals were so low. just didnt do it .  
Lots of good solid rules for good contesting were not followed so can't blame  
anyone else but me.

Al K0FRP

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)  
Subject: [3554] SS activity  
Message-ID: <9611041405.AA20415@aud.alcatel.com>

SS was fun. I just played around and ended up with  
73 QSOs and 40 sections... only worked 3 "Qs" and the one  
was 30 over S9! I just called all the big guns and most  
came back to me first try! I was using 5 watts to an  
indoor dipole! Hey it was fun. Now if I only could hear  
a FOX....

72/73 Dennis K3ETS, Dallas, Home of K5FO

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [3620] SS CW SPEEDS=FB PRACTICE!  
Message-ID: <9610048471.AA847152087@smtpgw.ccgate.dl.nec.com>

Gang:

I share many of the same feelings you have about the incredible computer generated cw speeds heard in SS.

As I've mentioned before, I feel "comfortable" at 25wpm. My plan this year was to go to a speed I wasn't "comfortable" with: 30, 35, 40+ wpm, etc and sit on that puppy until I got the full exchange.

I usually found within 2-3 passes, I'd get it and had confidence to dive in. I'd return at about 25wpm using the keyer and paddles.

I found 20m to be a blitzkreig(sp) of code hail!! Man, talk about you getting your breath taken away! 40m was no slouch either.

My point is, don't entirely shy away from this fast code altogether. Consider using the time spent listening on just getting one exchange down. Then soon you'll find you're getting more and more.

Even if you choose not to send, consider just listening for about an hour, or so. Once your brain is used to hearing it, you'll be surprised how much you can pick up.

I know it's hard to not get discouraged, but hang in there. Hey, if I can do it, anybody can!!

80m 31  
40m 45  
20m 19  
15m 28  
total = 123 and 50 SEC's

Have fun & 73,

Dave AC5GY (maybe this week for Gatis Twois)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Timothy Gordish <105020.2634@CompuServe.COM>  
Subject: [3625] SS Novice- My first contest

Message-ID: <199611041708\_MC1-B99-A50E@compuserve.com>

Hello All,

This was my first contest experience. I haven't even run the field day. In about 3 hours I made 8 contest QSO's and one regular QSO. I believe that every contact was from a different ARRL section, but after checking out the database, one who I had from IL, was actually in TX. Maybe my code accuracy is suffering, or he is visiting IL. I had fun, but had difficulty making contacts.

With so few contacts, I was wondering if I should bother sending in my results. My score would only be 112 or at best 128. I would have been on for longer, but the bulk of my work is done during the times that contests are run. Being a preacher has it's draw backs!

73 de Tim  
QRP-L #457, NorCal, ARRL

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Steve, N2MNN" <n2mnn@openix.com>  
Subject: [3631] SS personal accomplishments  
Message-ID: <199611042348.SAA30980@pantera.openix.com>

Its nice to see postings about SS experiences where the QRP operator had fun despite the QRO environment, or they learned something new. Operating in a QRO contest is very good experience for the QRPer, and can be quite enjoyable if the right attitude is taken. I decided this year not to go for the pin but to suppliment my milliWatt-states count which was at about 30 before the contest. I promised myself that I would only contact states I didn't have yet. Delaware is tough to get even from neighboring New Jersey, and that was my initial goal - just to get a DE. I started Saturday morning on 80m and listened to every "3" call. After about an hour I finally got my DE. I switched to 40m and got an SC; not rare but it had eluded me to date. I always try 15m before going to 20m; its just less crowded. WOW! I thought it was the top of the sunspot cycle. Got an NM, WA, MT, AZ, and an ID. Then I went back to 40m which is usually good for me out to the Mississippi river. I felt that I was still on 15m! I got MT again, KY, SD, MS, OK, and UT. Many CAs were heard both on 15m and 40m. Best contact was QRP to QRP with K7MM in WA. I wound up with 12 new states! My score? Who cares! I met my goal and now I've got some QSLing to do. Power output was .95 W at a blazing 14 WPM.

Steve, N2MNN QRPP

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)  
Subject: [3544] SS Report  
Message-ID: <199611040515.AAA27414@mime4.prodigy.com>

Worked much longer than planned. Was going for 50 Qs at first, then decided to try for 100. By then it was only a few hours to go so decided to hang in there. Only worked one other Q and was surprised that I could work almost every one I could hear. But then Murphy stepped in! My CMOSIII gave up about half way through the test. Had to resort to manually keying instead of button pushing. Rough at first but the practice helped and I started to improve as the test wound up. Set no records but here's the data:

Total op time.....12hrs( 3.5 Sat/8.5 Sun)

Total Qs.....128

Bands.....40M (72Qs)

20M (56Qs)

Sections worked.....58

States worked.....41 (inc KH6)

Others worked.....BC,AB,VI,PR

Score.....14,848pts (128X2X58)

Now, how to get the CMOSIII working???? I can key in msgs but get nothing back from memory. Checked all the obvious...resoldered connections, voltages look ok. It quit a few days ago as I was working a UK station but started working again until today. Probably one of the chips?????

Any suggestions??

Floyd NQ7X Phoenix ScQRPion

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [3595] SS Report  
Message-ID: <Pine.SUN.3.90.961103203105.28128A-1000000@vortex.sage.dri.edu>

Hi All,

Well, like most, I sure didn't do as well as I had wanted!

Worked Chuck twice, once for points and once just so he could flaunt his higher number! :-)

Here is the raw total. It's been duped but not hand checked for sections.....I think there is one more that isn't showing on the summary sheet.

342 Qs 71 Sections 48,564 total points.

I worked lots of QRP stations. K5FO and KI6SN of ARCI Quarterly fame.

Never heard a thing on 10m. Worked very few on 15m. Worked over 100 on 20m and almost 200 on 40m. If my mind is working right, I had about 35 on 80m. Heard no contest stations on 160m.

Put one short tower up Thursday. Cut some inverted vees on Friday eve. Mounted and did some trimming of the antennas Sat AM. They I did 95% of the contest with the old verticle cuz it worked best!

OK Chuck, when are we gonna have dinner?

Hmmmm, maybe I'll send him a can of NewYork Chille! :-)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Jim Bennett <jbennett@ebmud.com>  
Subject: [3573] SS Resultz  
Message-ID: <327E1459.65F7@ebmud.com>

Hi gang!

Well, this was the first time I've been in SS since my novice days back in '64.

Had a real blast, and certainly am looking forward to next year. Perhaps there will be some 10 meter activity for that one.

Results for me this time included 228 Qs in 66 sections. Can't believe I couldn't work SB here in California and NV, right next door! Never even heard the following: VT, ME, NH, WV, NNY, WY, SB, Yukon. Heard but didn't work SC, VE2, VE5, NV. Maybe next year! Setup for me was IC-775DSP (5w), roof-mounted vertical for 40 & 80, and 3el yagi @40' for 15 & 20. Thought about using the OHR-400 instead of the '775, but figured that would be like going a couple rounds with Mike Tyson...nahhh.

Out of the 228 stations worked, less than ten were running QRP. I thought I was doing oretty well in the Q class, until late yesterday afternoon I worked a VE6 in class Q with well over 600 contacts! Hmmm.... guess I gotta get that CW speed up to compete with that kinda score.

Jim Bennett - N6PDX (jbennett@ebmud.com)

Supervising Systems Programmer  
East Bay Municipal Utility District  
375 11th St.  
Oakland, CA 94607

voice: 510.287.0224 fax: 510.287.0373

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: AE0Q / V31RY <v31ry@ix.netcom.com>  
Subject: [3545] SS Sunday  
Message-ID: <2.2.16.19961104003721.33ef856c@popd.ix.netcom.com>

Wow, fun day on the air! I had the station all torn apart and packed for a trip to Wyoming, but chickened out at the last minute.. Thoughts of taking down wire antennas in dark/cold/snow on Sunday night put me off the whole idea!

Got station all back together in shack Sunday morning, the bands were hot.. 15m was open and hopping, even 40m had CQers in the middle of the day..

Worked 162 Q's running 5w to ATTIC fan-dipole (full size on 30m), got 60 sections and 39 states/6 provinces.. Found VY1JA calling CQ on 40 between two big CQ-machines, why can't I find him when I make a serious effort for a Clean Sweep??? Oh well, got 'em this time..

Made QSO's on 80m thru 15m, final score = 19,440 pts..

Don't forget to mail in those logs!!

73 -- Glenn

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Duct Tape is like the Force: It has a light side, and a dark side,  
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: majewski@erim.org (Ron Majewski)  
Subject: [3648] SS TX Challenge: Team Michigan Results  
Message-ID: <9611050414.AA04539@spsd630a.erim.org>

Hello to all,

The fun is over and the dust (or snow, depending where you live) has settled. It's time to see how the great SS TX Challenge turned out.

Team Michigan: Bill (wa8cdu) and Ron (wb8ruq)

wa8cdu: 376 QSOs in 78 sec (clean sweep!) for 58,656 pts  
wb8ruq: 481 QSOs in 74 sec for 71,188 pts

Grand Total: 129,844 pts

Both Bill and I worked Chuck. Chuck, you had a whopping big signal into Milford, MI on 20m on Sunday afternoon! I heard Jack all over 20m on Sunday. He was over 100 QSOs ahead of wb8ruq in the early afternoon -- but had he taken his 6 hour break? :)

It was lots of fun and we are anxious to see how the other teams fared. We found that the teaming arrangement helped keep us both going throughout the contest, each of us wanting to keep up our end of the bargain, so to speak.

72/3 to all,

Ron (wb8ruq) and Bill (wa8cdu)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>  
Subject: [3551] SS, QSO Party, Foxes - KB9IUA Log  
Message-ID: <Pine.SUN.3.91.961104074713.15627B-1000000@ncrsun1>

QRP-L Knowledgeable Folks,

As local QRP-er, Pete, NN9K, will attest, I am NOT a tester.



(Contester = excellent CW ear, focused, competitive station, practiced, hi-tech, etc.) For some reason I keep trying:

Nov SS: 13 hours, 60 QSOs, 33 Mult = 3,960 points QRP  
(7 QSOs on 15m, rest on 40m)

ARCI QSO Party: 7 hours, 39 QSOs (25 members, 14 non-members),  
pwr 5 watts, 22 SPCs = 23,562 points

QRP-L Foxes: batting .500 (half, one each week, of the G/A/E  
scheduled foxes; haven't heard a N/T fox yet :-)

My non-competitive station is my everyday station:  
Ten Tec Century 22 (DC transceiver) @ 3-5 watts, 40m dipole  
@ 20ft (broadside north-south :-(, straight key, paper logs, pencil.

I don't know whether to be disappointed or thrilled. These are  
my first QRP contest attempts. (Last year I was QROp in SS  
with a Heath HW-16 (approx. 35 w), outboard HG-10B VFO, else same,  
with 59 QSOs 36 Mult in 12 hours).

Cheers/72. Kevin, KB9IUA

\*\*\*\*\*  
Kevin L. Anderson Ph.D., CENCR-PD-W, U.S. Army Corps of Engineers  
Rock Island District Office, Planning Division-Waterway Systems  
Rock Island, Illinois 61204-2004, USA phone: (309) 794-5586  
e-mail: anderson@ncrsun1.ncr.usace.army.mil

\*\*\*\*\*  
Opinions expressed here are my own and do not represent the  
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: James <LAGESON@worldnet.att.net>  
Subject: [3606] SS/Antenna question  
Message-ID: <19961104202537.AAA1167@LOCALNAME>

First thanks for the feedback on my 80 meter question. I threw up a inverted  
L with the vertical section only up 30 feet, and two radials. It didn't  
look good and was tempted to take it down, but it was Friday and didn't want  
to work on antennas the day of the contest. I fed it with coax and a tuner.  
Well Saturday night I loaded it up and crossed my fingers(not my paddle  
fingers). This thing worked GREAT!!! I could easily work both coasts and  
everything in the middle, usually on the first call. I ended up with almost  
200 Q's on 80 alone. Now I want to make it a permanent L but have a question  
on the radials. I've heard that raised radials are much better, especially

with only two, I had these strung around the backyard in bushes, but they are dangerous with kids and the dog running around. Will they be ok laying on the ground under the snow, or should I try and string them at 8-10 feet? Also should they run away from the antenna, or run under and around the ant? Or maybe I should not worry so much and just throw something up like tis one!

My total for SS 596 Q's and 72 sec.

72's...thanks Jim WA0RPI qp-1# 799

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: svecbrdk@well.com (L.Svec,W.Burdick)  
Subject: [3574] SST progress report: 1st demo @ NorCal meeting  
Message-ID: <199611041617.IAA21909@mh1.well.com>

The SST lives! I built the prototype, including its custom cabinet, last week. The prototype covers 7.030-7.045 and puts out 2 watts at 14V, although the power level can be set anywhere from 0 up. It was putting out 1 watt during the demo yesterday, but I discovered that the injection levels into the transmit mixer were too low.

Anyway, the rig is very stable on transmit and the receiver is quite good. I'll post actual specs later.

Doug will have to make the call on when he starts taking orders, but the latest estimate is still January. To all who attended the NorCal meeting, thanks for your comments and suggestions.

73,  
Wayne  
N6KR

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Gary Schiltz <gss@ahipc.eds.com>  
Subject: [3561] Thanks for info in feeding an end fed wire  
Message-ID: <327E066A.63EA@ahipc.eds.com>

Many thanks to all those who responded to my question about how to feed an end fed wire. With a couple of exceptions, the consensus seemed to be that end fed wires are problematic in general, and that it's better to use a dipole if you have the space (or at least

a counterpoise, which seems to essentially be an asymmetrical substitute for the missing half of a dipole). So, over the weekend, I convinced my neighbor to let me string up a couple hundred feet more wire over one of his trees, to serve as the other half of the dipole. Now, I have about 450' of wire up at an average height of about 50' or so. I replaced the RG-11 ethernet cable that I had been using with 300 ohm twin lead (I didn't feel like driving the hour each way to the radio shop to get 450 ohm ladder line).

I'm not sure how much difference the changes made. It still tunes up pretty well on all bands, and I did have a nice QRO QSO into AZ on 15 meters phone yesterday morning, but I haven't had the opportunity to give it the QRP test yet.

----

72 es 73 de n8ruy  
Gary Schiltz  
Bloomfield Hills, Michigan

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: James Parsons <k5rov1@worldnet.att.net>  
Subject: [3588] Thanks for the help (REC.RADIO.SWAP)  
Message-ID: <19961104170729.AAC25255@LOCALNAME>

Thanks to all who responded to my request for help finding the reflector for REC.RADIO.SWAP. I have learned that it is a newsgroup and not a reflector.

Best 73..

Jim, K5ROV

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Mel Evans <101366.3072@CompuServe.COM>  
Subject: [3603] The last HW9, (and now another one!)  
Message-ID: <961104194855\_101366.3072\_JHP212-1@CompuServe.COM>

Hi gang,

Thought you might like to know that the last HW9 is getting it's finishing touches and final alignment this next week!

It's been great fun building the unit, and although the Heathkit instructions

really do operate at the level of "cut red wire to 2 and 1/4 inches", they are a joy to follow for clarity and ease of construction!

I do believe that it would be theoretically possible for an absolute beginner to make one of these given a minimum of Elmering and supervision, provided they were able to solder to a reasonably proficient standard. Each of the boards is well silk-screened with placement diagrams, and the handbook is absolutely complete.

As an aside, I have also acquired a mint condition HW9 which I intend to use for :

- a) comparison with my unit when working
- b) to carry out all the mods sent to me by various kind persons on and around the list/qrp world.

This means my "last HW9" brass plate will remain on an un-modified unit, and a written history of construction, plus photos will go with it for the History side of things.

72 & 73 de Mel

Edinburgh, Scotland UK  
Home of the last HW9  
(and now another one!)

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: wa5whn@juno.com (Jay D Miller)  
Subject: [3569] The real meaning of QRP/QSLs/QRP-L  
Message-ID: <19961104.083313.9487.2.wa5whn@juno.com>

Dear Friends,

Ah come on, let's see the show of hands of how many People had actually seen the movie "2001" ? Remember HAL ? Where did the name HAL come from ? ROL (IBM). -1 for You macro code hackers. It had come from a shifting of one left, of the letters I B M. QRP really stands for PQO (Powerless Quiet Operation) :)

For the last 4 years, my average QSL rate, amongst those who profess to be amongst the PQO crowd, is slightly above 86%. On the QRO side, it's under 50%. (USA only, because it's too embarrassing, everyone of the QRP

DX stations have QSL'd, DX being defined as outside the USA, & my QRO DX count is over 90% QSL rate. ). One other thing that I have noticed, amongst the QRP (or PQO, the hidden message :) Hey, did anyone really play the Beatle's albums backwards ? ) Crowd, during a contest, they talk to each other. It's not this RST STATE NR, it's hello "Your' Name", and We actually converse with each other, during a contest.

Now if we can only apply the "QRP principle" to the US Government. (less is best).

72...Jay, WA5WHN, DM65qd

PS Any of the QRP Clubs have contests planned for the month of March, 1997 ? If so, would You be so kind as to provide the dates, so that the proposed QRP-L contest does not interfere with those dates. Tnx...

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: cjsterl@ix.netcom.com (Craig J. Sterling)  
Subject: [3577] Timewave DSP For Sale  
Message-ID: <199611041633.IAA22605@dfw-ix6.ix.netcom.com>

Greetings,

The Timewave DSP has been sold, thanks for all of the replys. I may have another unit to sell once I compare it against the 599ZX. I had 2 DSP 59+'s.

Craig, AA3MD

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: KFGlynn@aol.com  
Subject: [3563] Tnx Comments on Cycle 23  
Message-ID: <961104101112\_555304703@emout16.mail.aol.com>

Hi gang,

Want to thank everyone for their comments. This is what I expected, and I'm sure I'll have to look for a clear frequency. Not sure why he wants to rain on my parade, but as long as I keep doing what I'm doing that'll things will be fun (actually more fun, they're already fun) in a couple of years.

GL to all in the SS.

72 Kevin KB2TEO

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: michael.hopkins.1171@corvus.com (Michael Hopkins)  
Subject: [3651] Using S.O.R parts  
Message-ID: <96110420003429763@corvus.com>

WPC(U%0(86nt)

"{<9p` (X(\$50sTXsSSBS.O.RNortexQrpNN1GW05WQCWAX2xtalstoroid24V3.579MCVX0s  
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NortexQrpClubhadsearchedforaprojectlesscomplicatedthan`  
whatbeginnersareusuallyurgedintoaNN1GMark36that(  
requiresamicroscopeforassembling.Insteadwewentclassic.  
WeusedtheCWTXfromSolidStateDesignandW05W(QCWAX2)h  
workedupanewcircuitboardforit.Bythenwehad8sideof0 E0  
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underratedbandandaLOTbetterthan40Matnight.(and30Mis0 betterindaylight).  
SonowmykidhassomethingtosaywhentheQCWAtypestalkabout8 oatmealF%

Fboxesandregeneration.

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: michael.hopkins.1171@corvus.com (Michael Hopkins)  
Subject: [3652] Using S.O.R. parts  
Message-ID: <96110420003729768@corvus.com>

The old timers, meaning the '50s and back, often made at least  
their own TXs. But cheaper kits came along and then SSB, the  
punishment for all our sins, finished off built-at-home radios  
for most of us. My son, KC5FDL, 12, cannot imagine making your

own rig, or at least he once could not until I made one largely from parts found on the side of the road (S.O.R).

We cruised marginal areas of town where folks leave their broken TVs on the curb. We carried a small axe and a pair of pliers and we became adept at liberating useful items from TVs of the solid state: wire, boards, and always the color burst crystal.

Nortex Qrp Club had searched for a project less complicated than what beginners are usually urged into -- a NN1G Mark 36 that requires a microscope for assembling. Instead we went classic. We used the CW TX from Solid State Design and W05W (QCWA X2) worked up a new circuit board for it. By then we had 8 side-of-road xtals and a stack of other stuff. The only thing I had to buy was a toroid. Everything else came from the TV sets including a 24V regulated p/s board. The thing works great at 3.579MC and the new thoughts on VXOs give an opportunity to QSY. I learned, like the novice Ade Weiss quoted, that 80 is a highly underrated band and a LOT better than 40M at night. (and 30M is better in daylight).

So now my kid has something to say when the QCWA types talk about oatmeal boxes and regeneration.

---

★ SLMR 2.1a ★

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [3590] Zeners, Caps and Amplifiers (long)  
Message-ID: <2.2.16.19961104174436.188f3c46@eloi>

I see the question about what the commonly used 36V Zener diode connected from collector to ground in an RF amplifier really does has come up again. A posting a few days ago stated that it was the capacitance of the diode that "helps the amplifier". That statement may well have been prompted by reading W7EL's article in the ARRL QRP Classics (reprinted from October 1978 QST -- the one in which he discusses adding capacitance from collector to ground to cure amplifier "ringing"). In that article, he states:

"A Zener diode connected across the collector will sometimes solve the problem, but not because of Zener

action! A typical 33-volt, 1-watt Zener has a capacitance of 200 to 800 pF, depending on the amount of reverse bias. This is generally sufficient to prevent the ring in the first place."

Well, I beg your pardon, but a typical 400mW or 1W Zener with a reverse bias of 12V or so will have a capacitance more in the range 10pF to 20 pF -- NOT 200pF to 800pF (that sounds more like the near zero-bias capacitance). However, the AC voltage at the amplifier collector swings from near zero to some maximum (hopefully) below the "Zener point" of the diode. The diode capacitance will therefore change over the AC signal cycle in a non-linear fashion. What this does to the output impedance of the amplifier and hence the signal is beyond my analytical capabilities to determine... :-)

So, we are now back to the question: "What does the Zener REALLY accomplish?" The usual wisdom is that it "protects" the amplifier from being zapped from high SWR. That is true -- sort of. However, I contend that it can well cause the amplifier to FAIL under miss-match conditions, such as a high SWR.

The miss-match can also result from trying to push too much power out of a "simple" amplifier that has no output transformer and feeds directly into a (nominal) 50 Ohm pi-output filter. This is the type of situation that is very common in QRP rigs of the 1 to 3W variety, such as the NorCal 40A, OHR Explorer series, etc. Note that I stated that the output filter in such a rig is "nominally" 50 Ohms -- but in reality it simply passes the load impedance back to the amplifier; the load is commonly (assumed to be) 50 Ohms.

As stated several times on this list, the output impedance of an amplifier can be APPROXIMATED by the expression:

$$R = V \times V / 2P$$

where "V" is the supply voltage and "P" is the output power. So, an amplifier operating from the typical 12V power supply (which is usually closer to 13V) will have an "output impedance" of 50 Ohms somewhere in the range of 1.5 to 2W output. For the sake of discussion, lets say 1.8W.

If you look at the collector of a Class C (or B) amplifier with a scope (while it is "amplifying", of course!) you will essentially see a "half-sine" waveform that cuts off at 0V and goes up to some peak voltage -- lets call it Pk. The "peak-to-peak" voltage of the waveform is therefore Pk. The



value of Pk will depend on the power and impedance; the expression (left as an exercise for the reader :-) is:

$$P_k = \text{SQRT}( 8 \times R \times P )$$

where "R" is the output impedance and "P" is the output power. So, for our case of 1.8W into 50 Ohms:

$$P_k = \text{SQRT}( 8 \times 50 \times 1.8 ) = 26.8V.$$

One would really see something closer to 28V do to harmonic content, filter losses, etc. If a 36V (or even 33V) Zener diode is present, it will not be driven into conduction by the 27-28V waveform. OK, now lets see what happens when you increase the amplifier drive to "goose" it up to 3W output. The peak-to-peak voltage will now be (the amp is still looking into 50 Ohms don't forget):

$$P_k = \text{SQRT}( 8 \times 50 \times 3 ) = 37.9V.$$

A 33V Zener will now be clipping the waveform peaks like crazy; even a 36V Zener will be conducting at the peak of the waveform. "That's great", you say: "This will keep the collector voltage from going too high and blowing the transistor." Ah yes, BUT the amplifier is trying to develop a 38V (or so) peak voltage and that darn Zener won't let it! What happens? The collector current goes up, that's what! If you don't believe me, just monitor the transmitter current of your NorCal 40 or OHR Explorer as you try to drive the output past about 2.8W!

OK, looks like bad news. But how about the case of high SWR? After all, that's what the diode is intended to protect the amplifier from. OK -- lets assume that you are running your nominal 1.8W and your antenna impedance is 100 Ohms (only a 2:1 SWR). The 100 Ohm antenna impedance will be presented to the amplifier by our simple output filter. Thus the peak voltage at the amplifier collector will be:

$$P_k = \text{SQRT}( 8 \times 100 \times 1.8 ) = 37.9V$$

OK -- our 36V Zener is conducting, but not much. Well, lets go to an impedance of 125 Ohms (2.5:1 SWR):

$$P_k = \text{SQRT}( 8 \times 125 \times 1.8 ) = 42.4V$$

Ouch! That darn diode is REALLY clipping now and the collector current is really high! Well, if your final transistor can stand an Amp or so of collector current and it has a good heat

sink, it will probably survive. Actually, even without the "protection" diode present, the transistor will probably NOT be able to develop a peak output voltage of more than about 40V when operating from a 12V DC supply -- so its output power will just drop as the SWR goes up (its efficiency will also drop).

Note that a similar argument applies when a step-up matching transformer is present between the transistor collector and pi output filter. Now, however, the transistor is seeing a lower impedance (due to the transformer) and its peak collector voltage will be reduced accordingly.

So -- my contention is: :Forget the Zener! Use a hefty output transistor that can take in excess of 40V on its collector and handle at least a factor of three more current than required for "normal" output and you should be OK.

Lets look at the ratings of some output transistors commonly used in QRP transmitters:

Device	Maximum Ratings				
Type	Vcb	Veb	Vce	Ic	Notes
-----	-----	-----	-----	-----	-----
2N4427	40	2.0	20	400mA	1W @ 175MHz
2N5109	40	3.0	20	400mA	Hi freq, Lo noise
2N3866	55	3.5	30	400mA	1W @ 400MHz
2N3553	65	4.0	40	1A	2.5W @ 175MHz
MRF476	36	4.0	18	1A	3.0W @ 30MHz
ECG235	65	4.0	65	3A*	MRF476 Replacement
2SC799	80	5.0	40	3A	3.0W @27MHz
SK3299	80	4.5	70	3A	2SC799 Replacement

\*Pulse

The parameter of interest here is Vcb, which essentially sets the maximum "safe" collector voltage. Its looks like all but the 2N4427, 2N5109 and MRF476 can be safely used in a "transformerless" output circuit running from a 12V DC supply WITHOUT a Zener protection diode. The 2N3866 may be a little marginal from the current stand point, though.

Look at the 2SC799 -- that is one husky sucker! Not likely to blow that puppy in a 3W rig even when operating into an open circuit! That's not the case for the MRF476 though -- looks like the ECG235 would be a better choice (from a voltage rating standpoint, at least; other factors like gain also come into play).

Now then, my 2 (binary) bits worth on adding a cap from collector to ground in a Class C (or B) amplifier as per discussions here on QRP-L: When using a simple pi output filter, the filter input capacitor should serve the purpose quite nicely -- provided that it is at least 100pF. On the other hand, a capacitor from collector to ground may well help to clean-up the collector waveform (especially if the transistor has a high gain-bandwidth product) when using an impedance transformer in the collector circuit.

Sorry for the long winded post -- I DO tend to get carried away at times!

-----  
"Any opinions expressed herein are my own and probably do not agree with those of my employer, the U.S. Government or my spouse"

--... ..--

Larry V. East (W1HUE)

Idaho Falls, ID

e-mail: LVE1@inel.gov

work: (208) 526-0081 home: (208) 529-2162

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: vodall@juno.com  
Subject: [3608] Re: 10 meters/sneaking into New England/Books/NM Hamfest/BS  
Message-ID: <19961104.130027.8527.2.vodall@juno.com>

On Sat, 02 Nov 1996 10:06:01 EST wa5whn@juno.com (Jay D Miller) writes:

>'all - y'all (Texas's version of "Dear All")

>

>During cycle 22, just off of the solar sunspot peak, I had my Uniden  
>HR 2510 (these were cheap, used, less than \$75.00 @ Hamfests) in the  
>vehicle. My Lovely Bride (WB5LYJ) & I were near Chaco Canyon (New  
>Mexico, ancient site), and was monitoring 29.6 MHz FM. 1's & 8's were  
>full quieting (USA), when I had started to copy someone with a German  
>accent. Guess what People ? Full quieting, near Chaco Canyon, I was  
>working several Germans, who did not believe where I was. So, when 10  
>meters is open, Tom (WB5QYT) is correct, You don't need much to play.

Great story. I've been looking forward to visiting Chaco for years.

Best QSO I had with the 2510 from the mobile in the work parking lot was Tasmania. A real thrill.

Not as distant, but as much fun, was talking to a station in Maine while circling a

parking lot in Fort Collins with the 2510 in the handlebar bag of the bicycle. Power was a GelCel in a panier and the antenna was a 3' CB whip mounted on the back rack.

>BTW, I still have that Uniden HR2510 & it's not for sale.

Same here. Even looking for a couple more. One for packet and one for another full time mobile.

73,

Bill - WA7NWP

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: Bill Morris Denton <bdenton@tenet.edu>

Subject: [3578] Re: 1996 CW SS at WA1GUV(TX ham stores)

Message-ID: <Pine.OSF.3.91.961104101631.14230A-100000@francis.tenet.edu>

Great job on SS.... CA and TX Q's..... But in reference to ham stores in Texas.... NONE... Tucker Just closed it's doors and we are without a major ham store in Texas. Here in Houston we have a small operation and I think there is a bigger one in Austin... but that's about it, they have all succumbed to the mailorder houses. Mostly due to state, county and city taxes 7 to 8+%. I just just purchased a FT-990 from Burghardt in SD. With the savings on taxes I was able to purchase an extra filter and pay for shipping. I like to support the local store but he has mostly accessory stuff like antennas, cable, small things and some two meter radios. No major hf radios. His business is largely service I Think.

Bill Denton WA5DWX

On Mon, 4 Nov 1996, Tom Cooper wrote:

> Hi Gang!

>

> Thanks to all of you who participated in the SS this year.

>

> Conditions were different from any SS I can remember. 80 and 40

> both went long early an were very noisy on Sat. night. Not good for

> QRP signal levels. 20 was great, though.

>

> I ended up with 516 QSOs in 75 sections, in 24 hours. From the window

> in my shack I can see both VE2 and NNY on a clear day, but I missed both

> of them. The bands were just too long, I guess. I heard CI2AWR and he  
> could hear me in there, but no copy. I also missed NWT. I heard KL7HF  
> work it, and then I worked KL7HF, but no dice on NWT for me.  
>  
> I didn't count them, but I worked 20 or so QRP stations, and heard some  
> others that I couldn't work.  
>  
> I must have worked 200 TX and CA stations. No wonder that's where the ham  
> stores are!  
>  
> 72/73,  
>  
> Tom WA1GUV  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: kc5moe@juno.com (John E Hutter)  
Subject: [3604] Re: 1996 CW SS at WA1GUV(TX ham stores)  
Message-ID: <19961104.140159.8143.0.KC5MOE@juno.com>

I assume the 'small operation' you are referring to below is Houston Amateur Radio Supply. FYI, I was in there twice last week and saw at least TWO new FT-990's and THREE ICOM 706's for sale as well as a fairly wide assortment of used gear and I've NEVER had a problem with George being willing to track down or order anything I wanted. I can't remember the last time I was in there and he didn't have at least a couple of new HF transceivers and anywhere from four to six VHF/UHF HT's. I have it from a reliable source (not George) that his margin of profit on this gear is INCREDIBLY slim, not much better on antenna's and accessories and the only thing that's keeping him open for business is service. People seem to expect the local ham store to stock all the high dollar equipment so they can look at it then they mail order it just to save a couple of bucks and whine when it goes belly-up. C'mon people, WAKE UP, these are fellow hams we're turning our backs on and local ones at that!! Just makes me SICK--time to take a couple of Xanax and clear some of the adrenaline out of my system before I start putting holes in the sheet rock again. Enjoy your new toy.

72/73 de KC5MOE -- John

On Mon, 4 Nov 1996 10:35:10 -0600 (CST) Bill Morris Denton  
<bdenton@tenet.edu> writes:  
>Great job on SS.... CA and TX Q's..... But in reference to  
>ham stores in Texas.... NONE... Tucker Just closed it's doors

>and we are without a major ham store in Texas. Here in Houston  
>we have a small operation and I think there is a bigger one in  
>Austin... but that's about it, they have all succumbed to the  
>mailorder houses. Mostly due to state, county and city taxes  
>7 to 8+%. I just just purchased a FT-990 from Burghardt in  
>SD. With the savings on taxes I was able to purchase an extra  
>filter and pay for shipping. I like to support the local store  
>but he has mostly accessory stuff like antennas, cable, small  
>things and some two meter radios. No major hf radios. His  
>business is largely service I Think.  
>  
>Bill Denton WA5DWX  
>

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [3646] Re: 80m on a 40m dipole

>From: "Jeffrey M. Poulin" <jpoulin@erols.com>  
>Dear Folks: After all your good advice on using my little 40M dipole  
>for 80M, using a tuner, I finally got to try it. The Ten-Tec 291 tuner  
>loaded it with no problem at all AND I can get a 1.1 or 1.2 to 1 SWR.

Hi Jeff, I missed most of this thread so forgive me for asking. Are you feeding the 40m dipole with ladderline? If so, your antenna is better on 80m than any 80m mobile antenna I know of. Remember, when you say that you can get a low SWR you are talking about the SWR seen by the transmitter looking into the input of the tuner. The output of the tuner sees a very high SWR since the antenna is very, very short on 80m. But as Don, KE6AJH, sez, "Halitosis is better than no breath at all."

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [3647] Re: Antenna Efficiency

>It is always 100% efficient, compared to the antenna that it replaced,  
>if the antenna that it replaced was non-existent!

Hey Brian, is an isotropic antenna non-existent? ;-)

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Dan Tayloe-P26412" <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [3612] Re: CW SS Notes  
Message-ID: <M27816301.004.d5gt4.1.961104204119Z.CC-MAIL\*/OU=SATCG/OU=AZBH/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

>Ended up with 52 Sections and 81 QSOs, which I think  
>works out to 4212 pts. Figure I can at least get my log  
>to the contest manager and add to the QRP conspiracy. ;-)

My hat is off to you and other QRPers that worked this contest!

I started off about 4:30 Saturday afternoon on 40m. Wow! These guys are sending "ss" so fast, it sounds like a bunch of crickets!

I settled on one of the louder, slower signals on the band (the guy who had his keyer turned down to only 100 wpm) and attempted to copy warp speed CW. After several tries, I got the info and figured out the format that was being sent.

When I tried sending, all I got was KK7? This sequence was repeated several times with several stations. I gave up.

My largest barrier was not so much the QRP/QRO barrier, but rather the truly awesome speed the code was sent. Tell me straight up: Is the exchange really made with humans or is this all computer generated/computer copied stuff?

I remember working cw contests 10 years ago, but I don't recall them being quite this all fired fast.

The whole experience left me quite humiliated. I slunk off to 30m to hide for a while. [ :-( ] I don't think that I can physically \*write\* as fast as the sequence was being sent.

If a small computer is \*required standard equipment\* to do contesting such as cw ss, that would be nice to know.

- Dan Tayloe, KK7BD, Phoenix, AZ, QRP1 # 696

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [3617] Re: CW SS Notes

Message-ID: <199611042135.0AA11736@dancris.com>

At 01:37 PM 11/4/96 -0600, you wrote:

>  
> >Ended up with 52 Sections and 81 QSOs, which I think  
> >works out to 4212 pts. Figure I can at least get my log  
> >to the contest manager and add to the QRP conspiracy. ;-)  
>  
> My hat is off to you and other QRPers that worked this contest!  
>  
>  
> My largest barrier was not so much the QRP/QRO barrier, but rather the  
> truly awesome speed the code was sent. Tell me straight up: Is the  
> exchange really made with humans or is this all computer  
> generated/computer copied stuff?  
>  
>

I have to agree with you, both on the 'congrats' and the speeds I heard. I, too, bagged if after a short time when it was pretty obvious that a good deal of the stuff was computer generated, or seemed to so to me. Had better stuff to do anyway.

Guess I'll stick to fox hunts and our own contests for awhile.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: cooper@gmpvt.com (Tom Cooper)

Subject: [3622] Re: CW SS Notes

Message-ID: <199611042238.RAA00652@web.gmpvt.com>

>  
> Bob KI7MN wrote:  
> I have to agree with you, both on the 'congrats' and the speeds I heard. I,  
> too, bagged if after a short time when it was pretty obvious that a good  
> deal of the stuff was computer generated, or seemed to so to me. Had better  
> stuff to do anyway.  
>

Most of that high speed CW is generated by the CT, NA or TR programs, but there isn't any "code reader" option! It takes hours and hours of practice to get to the point of being able to read CW in your head, but once you get there, you'll be amazed at how much more fun operating is.



Even if you only made 1 contact, send in that log! "This year there was a big jump in QRP category activity..." QST May, 1997, I can see it now....

Tom WA1GUV

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: rhight@primenet.com (Roger Hightower)  
Subject: [3624] Re: CW SS Notes  
Message-ID: <199611042228.PAA25133@primenet.com>

At 01:37 PM 11/4/96 -0600, Dan Tayloe-P26412 wrote:

>  
(snip)  
> If a small computer is \*required standard equipment\* to do contesting  
> such as cw ss, that would be nice to know.  
>

Dan, it really helps to use the computer for logging and fast dupe checking. Most ops also have the keying function enabled, either through a comm port or lpt port. Then it's a matter of hitting a function key or just keying in the info. Get a contest program like CT, NA or TR and jump in. Maybe you can figure out what a lot of the testers don't: you can change the CW speed to something other than light. I too was amazed at some of the speeds, and at the number of times I was asked to repeat the info.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [3633] Re: CW SS Notes  
Message-ID: <Pine.SUN.3.90.961104155743.1365B-100000@vortex.sage.dri.edu>

On Mon, 4 Nov 1996, Roger Hightower wrote:

> Get a contest program like CT, NA or TR and jump in. Maybe you  
> can figure out what a lot of the testers don't: you can change the CW  
> speed to something other than light.

One of the reasons I bought TR Log instead of CT is that TR will slow down as far as you want to go. CT stops at something like 15wpm. (Could be off as this is what I have been told and might not remember right!). Don't know about NA.

Page Down slows TR by 6% per "hit". Easy to come close to matching the speed of those calling. All you have to do is "just do it"! :-)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Joe Gervais <vole@primenet.com>  
Subject: [3634] Re: CW SS Notes  
Message-ID: <199611050007.RAA20275@primenet.com>

Dan (KK7BD) wrote:

>  
> The whole experience left me quite humiliated. I slunk off to 30m to  
> hide for a while. [ :-( ] I don't think that I can physically  
> \*write\* was fast as the sequence was being sent.  
>  
> If a small computer is \*required standard equipment\* to do contesting  
> such as cw ss, that would be nice to know.

Don't give up! This was the first SS I actually felt pretty comfortable. Well, in the sense that after listening to one or two exchanges from an op, I had all their info and called them, and if they asked for a repeat, my ear could tell the difference between "CK", "NR" and "SEC". :-)

I was an all-paper and straight key operation. Yes, I'm a freak. I love my straight key and that's all there is to it. :-)  
Had I had more time to play and some competitive drive, I have no doubt I could've pulled off 150 QSOs in 24 hours. No, not a huge score, but more than enough to have fun and maybe even pull off a clean sweep with some careful hunting and luck.

Note of encouragement - by the end of the contest, I didn't

need to "stalk" a station before calling them. Somehow my brain had all the sections, prec's, and numbers hardwired in. Maybe a repeat of a NR or CK, but that was about it. Each SS I've slugged out, my code speed has gone up about 5wpm over the long run (10wpm boost for the week or two after the contest). So the hard part is slogging through the first SS or two.

But yes, it can be done by average folks with average gear. And tools that pre-date silicon wafers. A little touch of masochism helps too. :-) It can be really tough getting your brain "broken in".

OK, I'll shut up now. Really. :-)

Good luck to everyone tonight!

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: James Bennett <james@research.nj.nec.com>  
Subject: [3601] Re: Fox tonight- NJ  
Message-ID: <Pine.sol.3.91.961104143356.26948A-100000@shakti>

> This time frame coincides with the spartan sprint so there should be  
> lost of QRP activity tonight.

Just read my previous message. This line should read:  
---lots of QRP activity tonight.---

Thanks  
James Bennett  
KA5DVS

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [3630] Re: Full gallon definition  
Message-ID: <Roam.3.0.1.847149577.20030.myers@bigboy>

> A "full gallon" is a kilowatt. 1000 watts = 128 fluid ounces.  
>

> Don't get me started about Imperial gallons.  
>  
> 1 watt = 0.128 ounce.  
> 5 watts = 0.64 ounces.  
>  
> A cup is 62.5 watts.

Wait a minute - are you using American watts or Metric watts here?

Dana KK6JQ  
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: John Seboldt <rohrwerk@pconline.com>  
Subject: [3644] Re: HB: spectrum analyzer adaptor  
Message-ID: <Pine.LNX.3.91.961104212246.25616A-100000@newton.pconline.com>

kd1jv@juno.com (Steven Weber) told us about his little spectrum  
analyzer. Yes, I'd be interested in your approach, Steve!

Another common approach uses old varactor tuned TV or cable tuners. I  
think an outfit called "Science Workshop" <?> puts out a "Poor Man's  
Spectrum analyzer" kit that's pretty sophisticated for about 100-200  
bucks depending on options... based on modified TV tuners so they can go  
down near 0 Hz, a selective IF and detector to feed your oscilloscope.  
They even make a tracking RF generator for it -- again based on a  
modified TV tuner.

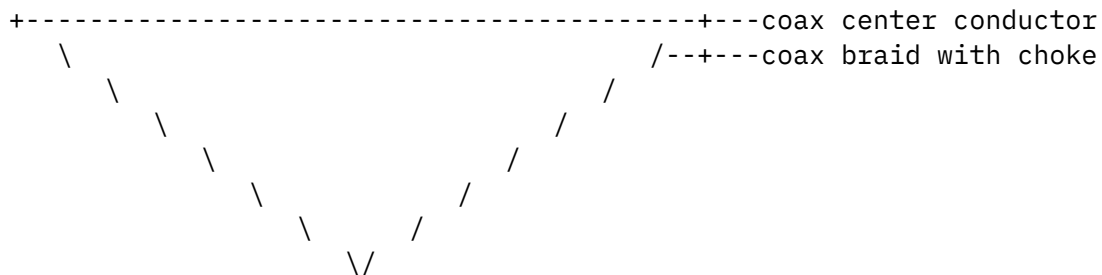
John Seboldt  
rohrwerk@pcOnline.com  
<http://www.pconline.com/~rohrwerk/k0jd/>

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [3641] Re: How to feed an end fed wire antenna

>From: Gary Schiltz <gss@ahipc.eds.com>  
>As a follow-up to my tree fishing post yesterday, I'd like to ask  
>a basic question: how do people usually feed end-fed wire antennas?

Hi Gary, here's the best way I know to keep RF out of the shack with

an end-fed antenna.



Simply turn the end-fed "long-wire" into an end-fed loop by adding some more wire that just hangs down and is weighted in the middle. You can open and close the triangle to achieve a perfect 50 ohm match and with a choke, there will be virtually no RF in the shack as long as you don't run your coax through the broadside radiation pattern. No extensive ground or counterpoise required.

Note that the line where the words "coax center conductor" appear *\*is\** the end-fed wire so adding a wire is all it takes to turn one of those hard to manage single wire antennas into an easy to manage loop. Ladderline can be used just as well as coax.

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: lhalliday@creo.bc.ca (laura halliday)  
Subject: [3638] Re: IRF510/511 PA's and Stuff...  
Message-ID: <199611050116.RAA10494@BC.net>

Yes, IRF510/511s were designed for switching applications. The best use of them for RF may be as Class D amplifiers, which are essentially saturated Class C - but you may want to think of them as turning the PA current on and off at radio frequency. Ideally, when the switch (i.e. the FET) is off, there is zero current, and zero dissipation. When the switch is on, there is current, and the dissipation is due to losses from the small but non-zero  $R_{ds(on)}$  of the FET. The only time there is significant voltage *\*and\** current (i.e. dissipation) is while the transistor is switching.

The output waveform is indeed a square wave, which requires careful filtering. However, with minimal second harmonic content, the first harmonic that really matters is the third.

There was a 20 watt switchmode PA transmitter using a pair of IRF510s for 80, 40 and 30 meters in Radio Communication for (I think) March and April 1995. We talked about it on QRP-L at the time - check the list archives. Look also in RF Design (sometime last summer - August 1996?) for the writeup on Class F amplifiers. Ditto the QRP-L archives.

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.com	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [3556] Re: JATMAT's HOME PAGE!!!  
Message-ID: <199611041418.0AA06370@chuck.dallas.sgi.com>

Brad et.al.,

My \$0.02 worth. Get the base guitar picks. They are thick, slightly larger and much stiffer so that they don't flex as badly. And they are still cheap. Consider how long they last in service for what they are intended. :-)

Nice home page. Marked it to go back to after I get through 200 emails on Monday morning after SS. Film at 11.

I got home a tired puppy and took a shower and worked three new countries and the last 3 ARRL sections that I needed. Later I heard the phone ring but too tired to go get it. Heard Doug Hendrick's voice saying that inquiring minds wanted to know how I did. Posting later when I can get free. Teaching this week.

dit dit  
: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50  
: EMPS QS0s=3 STATES(w/c)=3/2 DX=0 : MO TN OK

From owner-qrp-l@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [3558] Re: logbook...pg 2  
Message-ID: <199611041425.0AA06462@chuck.dallas.sgi.com>

Niel et.al,

I get this quite frequently, well more than I like.

I work someone on the air and I know that I have the call right. Heck, I wrote it down everytime they sent it.

Call2dist returns a not found in the FCC database. Two things.

1. It's someone picking a random call to get on the air.
2. It was once a good call and the individual forgot to renew or thought it was for issued for life with no renewal process. I prefer to think the later.

I've gotten QSLs returned by USPS due to no forwarding address. Guys move and forget about the QSLs if they aren't thinking. We all know how stressful moving is anyway.

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

: EMPS QS0s=3 STATES(w/c)=3/2 DX=0 : MO TN OK

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: TimMcFadden <106400.1616@CompuServe.COM>  
Subject: [3626] RE: Meaning of QRP  
Message-ID: <199611041752\_MC1-B9A-6432@compuserve.com>

Quality  
Replaces  
Power

73

Tim DA2TF / KB2RLB QRP#668

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [3571] Re: Parts source??  
Message-ID: <199611041534.IAA19022@zia.aoc.nrao.edu>

I remember checking out the web page for HB Electronics (fellow QRP'er) and surprised to see several different flavors of the

varicaps ... as Mouser, etc. just doesn't have them.

The email address I have scribbled down is  
hb.electronics@businesson.com

If that don't work, let me know. I think I have more complete  
info jotted down at home.

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)  
Subject: [3636] Re: QRP-Plus upgrade: Worth it?  
Message-ID: <199611050017.TAA55685@nss2.CC.Lehigh.EDU>

Hello Emery,

I have upgraded the orriginal QRP+ to the latest and greatest model.  
I believe that beauty is in the eye of the beholder. To me,a resounding  
yes. It was very much worth it. However!!

Also upgraded by me, were the power pot, and also added the R.F. gain  
modification from Bruce Frankliln. I just tested that RF gain in the SS  
contest this weekend, and WOW, what a difference it made!

This enabled the scaf filter for do it's thing properly. I had superior  
control of the selectivity of the rig. No contestor should be without  
this mod. I'll be testing it in the RTTY WAE contest this weekend.  
If it does for RTTY what it does for CW, I will be very happy.

73 de AA1IK  
Ernie

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [3586] RE: RShack DSP40 Problem?  
Message-ID: <ABD27D3201172C16@mhsgate.meth-mem.org>

>  
> From: "Ahrens Tim" <tahrens@devmail.sps.mot.com>  
>  
>  
>>



>I have one of the RS DSP-40s, and it appears to  
>work pretty well, with one possible problem. In the CW mode, when a  
>signal comes through,  
>superimposed on the actual tone is quite a loud  
>hiss. It is not there in the SSB mode, or there  
>when there is no CW signal coming through. It is  
>not related to audio levels, or any type of noise  
>that is on the input.

>

>

>Thanks,

>

>

>Tim WA5VQK

>

Have not posted to the net for a while so here is my .2 db worth.  
I too have one of the DSP-40s and was one of the early-in buyers.  
I have found it to be quite useful in a qrp setting and 'good enuf'  
for most applications. It has been with some amusement and delight  
that I have seen the real-world qrp community adopt the little device.  
While my personal choice for cw filtering is a SCAF filter, the RS DSP  
does an 'ok' job most of the time. I am not sure whether or not your  
rig has a standard 'crystal' 500 hz bandwidth filter or if you use it or  
not, but try making sure that it is turned off. I leave mine off and use  
just the audio filtering of the Smart Filter SCAF. BTW, the Index Labs  
QRP+ box has a dynamite SCAF filter built-in and it runs before the  
AGC. Good luck Tim. CUL de Mike, KR4IT.

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: RHILTO@acxiom.com

Subject: [3591] Re: SS - Lessons learned (long)

Message-ID: <000092BF.1505@acxiom.com>

>2. SPEED - Amazing. I don't know what speed I can copy, but I set  
>my keyer at about 20WPM. I was probably the slowest guy in the  
>contest.

Nope, I get that (dis)honor... set my keyer at 16wpm and  
concentrated on sending clean code. Usually worked.

>Only one sour note. I would listen to the exchanges several times,  
>writing down most of the info before returning the call myself.

Did this myself... only way to copy 30wpm code with a 20wpm ear.

>In spite of this, I'd sometimes have to ask the really fast guys to  
>send something slow. They all obliged, except one

Never had anybody lose patience with me, and actually had several  
ops voluntarily slow down!! Generally, the attitudes I ran into  
were very friendly and helpful.

>Bob Kellogg, AE4IC  
Bob Hilton ki5ez

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>  
Subject: [3642] Re: SS Novice- My first contest  
Message-ID: <Pine.A32.3.91.961104195914.52400A-100000@hector>

Tim:

By all means, send in that log. It's not the number of contacts, it's  
the number of QRPers that participated. Congratulations on your score!  
I have tried to send in logs with as few as 4 contacts. One time, when  
I was in Alaska, 7 contacts got a first place in the QRP category of  
some contest. Of course I was the only QRP entry, but that's ok. As  
Chuck (and others) said, we want to show the powers that be (mostly QRO  
folks) that the numbers of QRPers is getting impressive. So, please send  
it that log. And keep entering those contests.

Tim AB50U  
QRP-L # 73 (and 72/73 to you)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Patrick Taber <ptaber@logicraft.com>  
Subject: [3557] Re: SS, QSO Party, Foxes - KB9IUA Log  
Message-ID: <1.5.4.32.19961104142215.009afe74@freebird>

>I don't know whether to be disappointed or thrilled. These are  
>my first QRP contest attempts. (Last year I was QROp in SS  
>with a Heath HW-16 (approx. 35 w), outboard HG-10B VFO, else same,  
>with 59 QSOs 36 Mult in 12 hours).

I'd say be thrilled. You beat your QRO sweepstakes performance of last year.  
You have Foxes on the wall (some of us haven't gotten \*one\* yet....) You

have respectable scores in other contests. I'd extrapolate from that to say that you do have a competitive station and must also be a good operator.

What you need, as the Wizard said, is Confidence. So you're hereby awarded the order of the QRP Hotshot with all the rights and privileges appertaining thereto. Go forth and QSO.

The postscript is: there's no such thing as a competitive station. There are only competitive operators. I have sat at the controls of a major contesting station. The kind that's built like an underground bunker with huge arrays of computer controlled antennas. But I'm not a major op. To me, that station was no more effective than my TS-440 with attic dipole. I got invited over to the bigs because I climb towers and swing a mean wrench. A good op that stopped by my house to pick me up took my dinky setup and screamed off a page of contacts in the time it took me to get my climbing gear out of the closet. It ain't the radios that make the score. Two excellent ops can be differentiated by station equipment, but an excellent op can beat a mediocre one no matter what equipment is involved.

>>>==>PStJTT (KC1TD)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [3615] Re: SS/Antenna question  
Message-ID: <Pine.SOL.3.94.961104161945.25537D-100000@utkux4.utcc.utk.edu>

Jim,

Your chief concern seems to be the safety of children. That is certainly a valid priority, and with that in mind, I suggest you bury the radials. The added efficiency of elevated radials is not worth either the worry about danger or the real danger to the kids. Even at 8' up, low wires have a way of being a child's challenge. A long stick will pull them down to head level, and then no telling what inventive danger a child might create. Out of sight, out of mischief. You can add some more radials to compensate for burying them, but not so many that you forget to enjoy the antenna.

Like the much maligned dipole, the old inverted L seems never to be good enough compared to fancier designs--until someone uses it and finds that the differences are marginal until you can afford that 160-10 meter log periodic and the 200+' tower to put it on.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: jdenison@aisp.net (JOEL DENISON)  
Subject: [3543] RE: suggestions on new qrp rig  
Message-ID: <19961104053700487.AAA152@slip20.ts-f-merrill.caps.maine.edu>

Thanks to all who replied. it's only 12:30 am ET and I sure I will find more replies in the morning.

All replies have and will be passed on. This certainly is the best list of them all. Thanks again...

Bye now

God Bless

Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	33ft Vertical	& Inverted Vee	both up 40ft.
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS	5w	SSB & CW

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Laura" <sputnik@imt.net>  
Subject: [3547] re: the meaning of qrp  
Message-ID: <199611041308.GAA02859@cu.comp-unltd.com>

Quite  
Respectful  
People

73 de KJ7UN  
Laura

Laura Marino Lubner  
sputnik@imt.net  
QRP-L # 790

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [3552] Re: The meaning of QRP  
Message-ID: <Pine.SOL.3.94.961104090049.17943B-100000@utkux4.utcc.utk.edu>

Qualified, Righteous Perfectionists!

Humbly submitted,  
LB

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: rflight@VNET.IBM.COM  
Subject: [3616] Re: The meaning of QRP  
Message-ID: <199611042130.QAA201822@nss2.CC.Lehigh.EDU>

Hey Gang!

It seems to me...

"Q"uality "R"equires "P"ractice, and those who refine their skills at very low power levels discover that "Q"SO's "R"equire "P"atience when they throttle back to "Q"uint "R"ate "P"ower levels and below. Once hooked however; they not only "Q"uit "R"unning "P"ower levels in excess of 5 watts, but many "Q"uietly "R"educer "P"ower well into the milliwatt region.

Although perceived as "Q"uintessential "R"adio "P"ersonalities by some, we are nonetheless a "Q"uiet "R"eserved "P"eople who are "Q"uite "R"ealistic "P"ractitioners of our craft. We are simply dedicated to the task of "Q"uantifying "R"adio "P"erformance at its limits.

To the world we are amateurs. Among our peers, we are "Q"uality "R"adio "P"rofessionals in a "Q"uasi "R"adio "P"aradise where the boundaries of performance are limitless.

A "Q"uaint "R"ationalizing "P"hilosophy? Perhaps... but it works for us.

30, 72, 73, 88,

N3G0/QRPpp- Raleigh, N.C.

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

Subject: [3618] Re: The meaning of QRP

Message-ID: <Pine.OSF.3.95.961104154529.6358A-1000000@duke.usask.ca>

BTW what does QRO stand for? Quite Ridiculous Output? Also if 1,000 W is a full gallon does that mean that 5 W is a full pint?

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| The grand leap of the whale up the Fall of Niagara is esteemed, by all |
| who have seen it, as one of the finest spectacles in nature. |
| -- Benjamin Franklin. |
+-----+
```

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: nskousen@scientech.com (Niel Skousen)

Subject: [3619] Re: The meaning of QRP

Message-ID: <v02140b13aea416f774e1@[198.60.91.132]>

>Also if 1,000 W is a full gallon does that mean that 5 W is a full pint?

More like a half-pint :-)

Niel Skousen

nskousen@scientech.com

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [3632] Re: The meaning of QRP

Message-ID: <Pine.SUN.3.90.961104155236.1365A-1000000@vortex.sage.dri.edu>

On Mon, 4 Nov 1996, Niel Skousen wrote:

> >Also if 1,000 W is a full gallon does that mean that 5 W is a full pint?

>

> More like a half-pint :-)

>

Does that mean that QRPp is a shot glass? :-)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [3635] Re: The meaning of QRP  
Message-ID: <199611050011.RAA09487@zia.aoc.nrao.edu>

Ron,  
If 1KW is a full gallon of gasoline, and 5W is a half-pint,  
then I think QRPp would just be "vapor!"\*

72, Paul NA5N

\* that's "vapour" to our overseas friends

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: nskouzen@scientech.com (Niel Skousen)  
Subject: [3637] Re: The meaning of QRP  
Message-ID: <v02140b16aea43a28bd46@[198.60.91.132]>

>Ron,  
>If 1KW is a full gallon of gasoline, and 5W is a half-pint,  
>then I think QRPp would just be "vapor!"\*  
>  
>72, Paul NA5N  
>  
>\* that's "vapour" to our overseas friends

But properly applied 'vapor' becomes an FAE :-)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: ukii@megsinet.net (ukii)  
Subject: [3548] RE: The meaning of QRP.  
Message-ID: <01BBCA23.2E0890C0@randolph2er1-16.megsinet.net>

Questionable Radio Personality ???

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: bkeane@usa.nai.net (William B. Keane)  
Subject: [3566] Re: The NN1G Mark3 xceiver (opinions?)  
Message-ID: <199611041528.KAA27200@usa.nai.net>

Sterling,

Why not get the rig from the source (SWL) at NN1G's QTH?

Advantages: If you have problems you can contact the originator.  
The latest updates are included with the kit.  
Great set of instructions  
Very high quality board and parts  
Dave gets some compensation for a great product.

Usual disclaimers unfortunately.  
72, Bill,N1NIK

>I'm thinking about getting this kit from Dan's Small parts.... is there  
>any opinions on this rig? Is the performance good on this rig? It  
>appears that it's vfo controlled... Has anyone built this rig?  
>  
>  
>  
>-Sterling W. Lombard (The Phreique)  
> <http://www.primenet.com/~slombard>  
>  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: "Dean Marzocca" <n2tnn@ifu.net>  
Subject: [3649] Re: Tnx Comments on Cycle 23  
Message-ID: <199611050430.XAA05294@mail.ifu.net>



Kevin,

Know how I look at this Cycle 23 thing??? Right now I am having fun and lots of it. I am comfortable with how things are with the propagation. Maybe the reason is that I don't know it any other way. I have been licensed for about 4 years and it has always been this quiet. I now fear when the flood gates open and I can hear everyone in the world, they can hear me. What fun can that be if there is no effort involved. No work = no fun. Might as well pack it in and find a REAL challenge.

First we were 100 watts and were learning quickly. Then WAS was no problem. Make it more difficult and try to work WAS only with 1 x 2 calls. Then try to do it 1 x 2 calls while they are mobile. Then try to do that only on Sundays when all the trucks are parked or being loaded. Then try to do all the above with the power turned down. Then turn it down to a reasonable level like 5 watts. OK, now QRP territory, not good enough for some of us and we turn it down more so we can put a "p" after QRP and we feel good. Do all the above with the small "p" and we feel great.

So, after all that above listed methods to disadvantage ourselves, why would anyone want to work the world any time, any place, any day. That all leads to BOREIIIIIIING. I can do that on a telephone if I needed a reliable "conversation fix".

Maybe some of the smart folks here can come up with a solution to keep the sunspots away for a few more years. I know this fun stuff is going to end too soon but we still have time. I have heard of making antennas out of fishing poles, fishing for trees with duct taped bowling balls attached to bungee cords, probes that sniff RF, foxes that hide in states where no-one lives, double folded end fed zeps with no baluns attached if the ladder line is balanced with a tuned pie network and other such goodies. So why can't we stop the sunspots? You guys have all these other great ideas so start thinking and think fast, those spots grow fast and multiply once they get going. The party is coming to a close and then it's back to work.

Attenuator please....

72/73, Dean, NJ, N2TNN, QRP-L # 56

EMPS Q=4 S=3 DX=1

Soon to be EMPS Q=346228654 S= 50 (6 x) DX= 368

>

> Hi gang,

>

> Want to thank everyone for their comments. This is what I expected, and I'm

> sure I'll have to look for a clear frequency. Not sure why he wants to rain

> on my parade, but as long as I keep doing what I'm doing that'll things  
will  
> be fun (actually more fun, they're already fun) in a couple of years.  
>  
> GL to all in the SS.  
>  
> 72 Kevin KB2TE0  
>

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>  
Subject: [3587] re: TX ham stores  
Message-ID: <199611041729.LAA21655@spd.dsccc.com>

Bill Morris Denton <bdenton@tenet.edu> wrote ( bmd> )  
bmd>  
bmd> ..... But in reference to ham stores in  
bmd> Texas.... NONE... Tucker Just closed it's doors and we are  
bmd> without a major ham store in Texas. Here in Houston we  
bmd> have a small operation and I think there is a bigger one  
bmd> in Austin... but that's about it, they have all succumbed  
bmd> to the mailorder houses.  
bmd>  
bmd> Bill Denton WA5DWX  
bmd>

Rumors regarding the premature demise of Texas Towers  
are somewhat exaggerated. Rumors regarding its' non-existence  
are at least unfounded. I was just in there last week.  
72s,  
Charles Cashion, W5ISZ, ccashion@spd.dsccc.com  
DSC Communications,1000 Coit Rd,Plano,TX 75075-5813 214-519-2583  
We are sorry, but the number you have reached is an imaginary number.  
Please hang up, rotate your phone ninety degrees, and dial again.  
--

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Bill Morris Denton <bdenton@tenet.edu>  
Subject: [3596] re: TX ham stores  
Message-ID: <Pine.0SF.3.91.961104123944.18369B-1000000@Joyce-Perkins.tenet.edu>

I was my understanding the Tucker purchased Texas Towers and now Tucker  
bit the dust. Oh WEll. I think my point was made however....Very Few Texas  
Ham Stores.

On Mon, 4 Nov 1996, Charles Cashion wrote:

```
> Bill Morris Denton <bdenton@tenet.edu> wrote ( bmd> )
> bmd>
> bmd> ..... But in reference to ham stores in
> bmd> Texas.... NONE... Tucker Just closed it's doors and we are
> bmd> without a major ham store in Texas. Here in Houston we
> bmd> have a small operation and I think there is a bigger one
> bmd> in Austin... but that's about it, they have all succumbed
> bmd> to the mailorder houses.
> bmd>
> bmd> Bill Denton WA5DWX
> bmd>
>
> Rumors regarding the premature demise of Texas Towers
> are somewhat exaggerated. Rumors regarding its' non-existence
> are at least unfounded. I was just in there last week.
> 72s,
> Charles Cashion, W5ISZ, ccashion@spd.dsccc.com
> DSC Communications,1000 Coit Rd,Plano,TX 75075-5813 214-519-2583
> We are sorry, but the number you have reached is an imaginary number.
> Please hang up, rotate your phone ninety degrees, and dial again.
> --
>
>
```

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [3640] Re: W6RCA Triangular Loop

```
>I have been following your discussion with interest, as this might be
>a good solution at my new QTH. Does this antenna work on any of the
>higher bands? 73, Ken, N6TZV
```

Hi Ken, Here's what EZNEC sez:

band	gain	TOA	50ohmSWR	450ohmSWR
30m	3.6	59	high	36
20m	6.5	28	4.7	3.5
17m	7.7	22	high	9.5
15m	8.8	19	4	2.2
12m	9.3	16	high	5.7
10m	9.8	14	6	1.8

Assuming one is feeding the triangle at the low point on the south

side of the triangle (that's what I'm doing), the antenna has a beam effect in the two northern lobes of the cloverleaf pattern. So the above numbers are for two lobes pointed approximately NE and NW and getting more northerly as frequency increases. As one can see, this is a good multiband antenna when fed with coax on 40m and using a tuner on 20m, 15m, and 10m. It should work well fed with 450 ohm ladderline all the way from 40m-10m. It can be used on 80m by breaking the loop halfway around from the feedpoint and feeding it with ladderline although the resistance is pretty low and the reactance pretty high on 80m.

In short, if you are going to use this antenna on any band that is not an integer multiple of 40m, feed it with ladderline.

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: Bensondj@aol.com  
Subject: [3546] Re: White Mountain 75 -Address correction  
Message-ID: <961104062327\_345108760@emout05.mail.aol.com>

// ref: <Subject: [3509] White Mountain 75 on the air>

Thanks to Preston Douglas, WJ2V, for reporting his success with the White Mountain SSB kit. I know he worked hard to stay out in front of the pack, and I appreciate his and everyone else's helpful feedback.

One correction:

>>Contact Small Wonder Labs at:80 Robbins Ave, Newington, Conn. 06111 or  
email  
>>at: bensondj@aol.com

The correct address is 80 \*East\* Robbins Ave, ...thanks.

73, Dave- NN1G  
(Small Wonder Labs)

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [3594] Re: Zeners, Caps and Amplifiers (long)  
Message-ID: <2.2.16.19961104183318.280f55c8@eloi>

At 09:57 AM 11/4/96 -0800, you wrote:

>

>Does the actual collector current really go up? The high voltage  
>case occurs when the transistor is not conducting; the zener will  
>dump energy out of the output tank, and dissipate some power  
>in the process, which probably shows up as decreased amplifier  
>efficiency, but the output transistor is turned off and  
>can't be dissipating energy.

>

>What am I missing?

>

Well, I dunno... but according to measurements that I made on both my NorCal 40A and OHR Exp II, the collector current climbs rapidly once the peak of the collector waveform starts to clip. In fact, I managed to blow the original 4013 output transistor in the OHR rig! I replaced it with a 2SC799 and it held up OK -- the collector current was a whopping 920mA at full drive and I was only getting a shade over 3W out! Collector current at 2W out was around 300mA and started increasing rapidly after that as the drive was increased.

Maybe something else is going on here...

72, Larry.

From owner-qrp-1@Lehigh.EDU Mon Nov 4 23:17:13 1996

From: kd1jv@juno.com (Steven Weber)

Subject: [3629] RE:[2] HB S/A kits

Message-ID: <19961104.170715.7231.2.KD1JV@juno.com>

This will be the last public post on this project.

Everyone who sent a reconfermation of thier order should have gotten a direct reply from me by now. I'll compair the list I got Sunday with todays list and see if there are any missing. We're up to 13 confermed orders now. Oversea's orders are also being accepted. In fact have one from Spain already. Provided you have good air mail service, getting a kit to you should not be a problem. In the past, I have sent my DDS VFO kit to Aulstrlia, Aruba, England, Denmark, and Japan, with out any problems.

For those of you who have been sitting on the fence on this one, wondering which way to fall, I've made a few additonal improvments. One, a dual supply is no longer needed. It will run off of a single +24 volt supply. The VCO sweep range has been improved to cover up to 95 Mhz. Also note that by switching out the 100 Mhz low pass filter I have on

the input, you can also sweep 110 to 220 Mhz. A 10 and 5 MHz marker generator will definatly be included. This will be done by a multi output clock chip that takes a built in 20 Mhz xtal osc and divides it by powers of two. So outputs of 2.5, 1.25 and lower are also possable.

I have confermed avalibility of all the parts. (or at least the ones I was really worried about). I will most likely start placing orders for parts on next Monday. So get your order in soon, if you want to be a part of this project.

Thanks everyone,

Steve, KD1JV